

Fig. 2

APPROVED	O.G. FIG.
BY	CLASS
DRAFTSMAN	SUBCLASS
	510
	399, 15

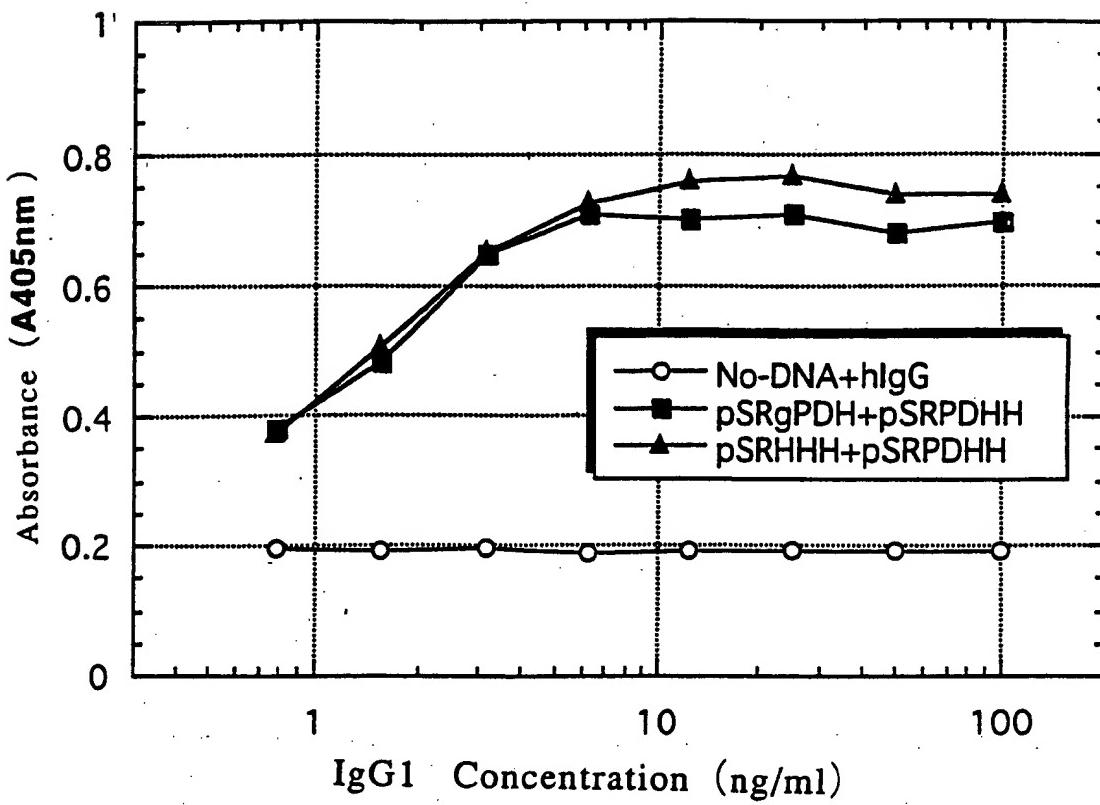


Fig. 72

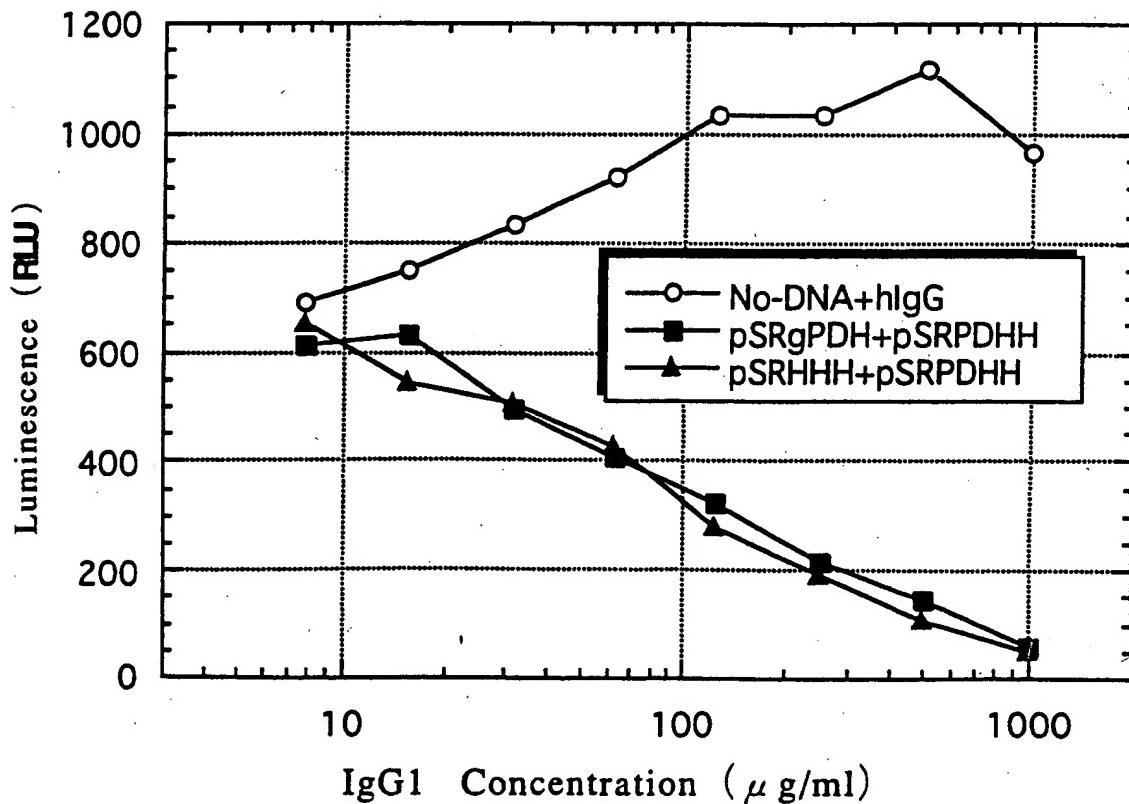


Fig. 73

APPROVED	O.O. H.G.
BY	CLASS
DRAFTSMAN	SUBCLASS

530 388.15

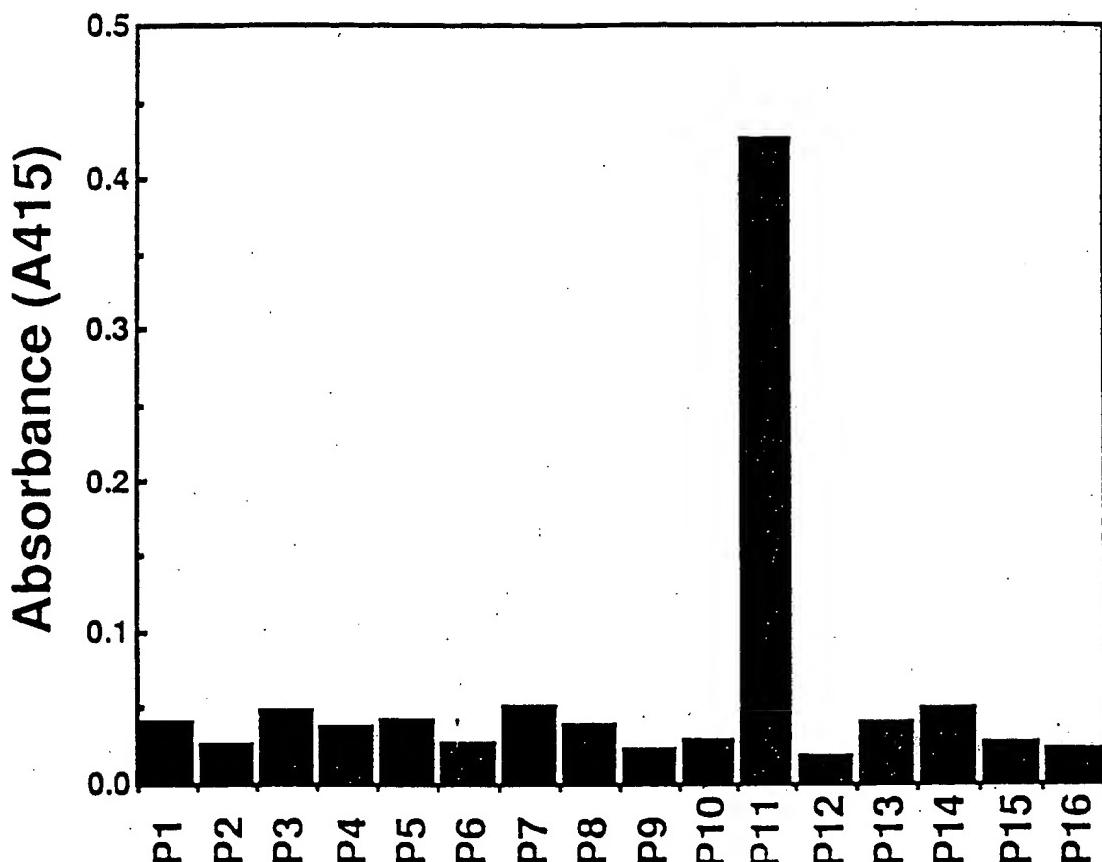


Fig. 3

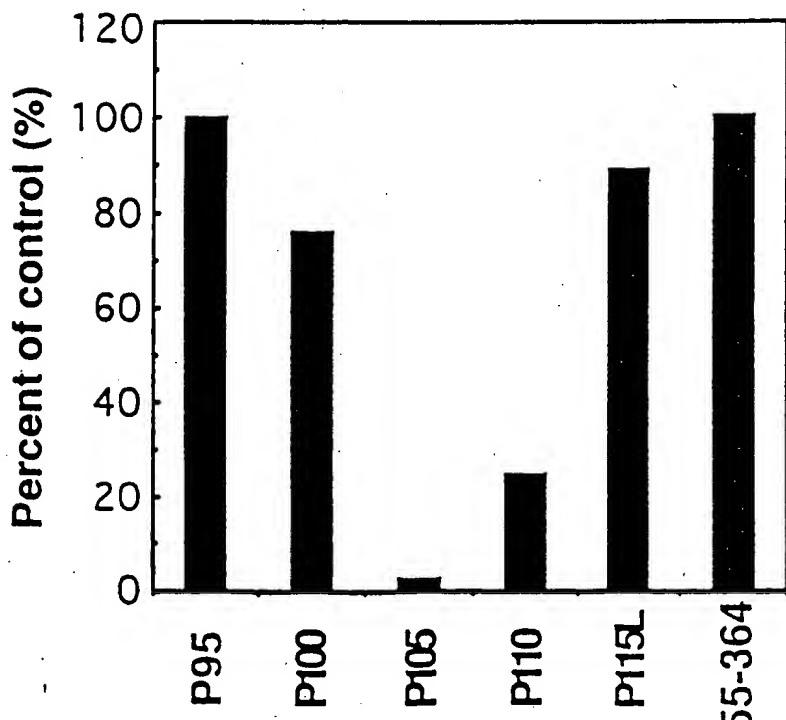


Fig. 4

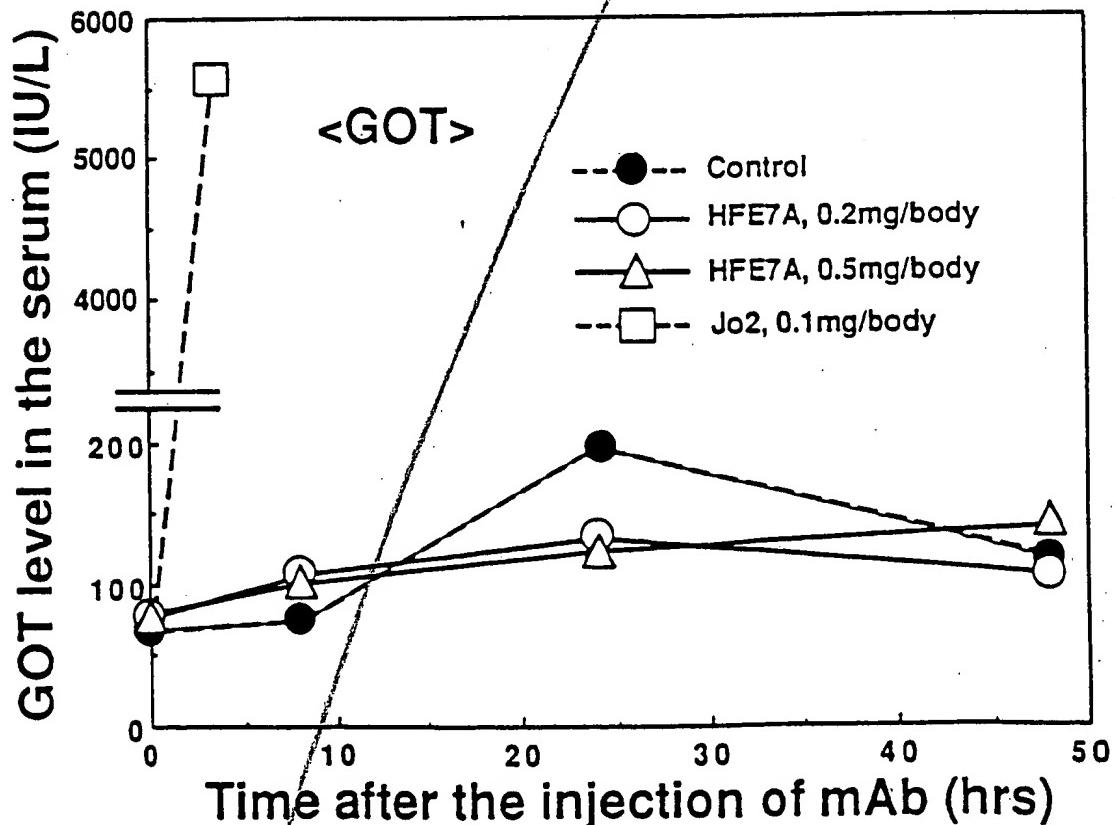
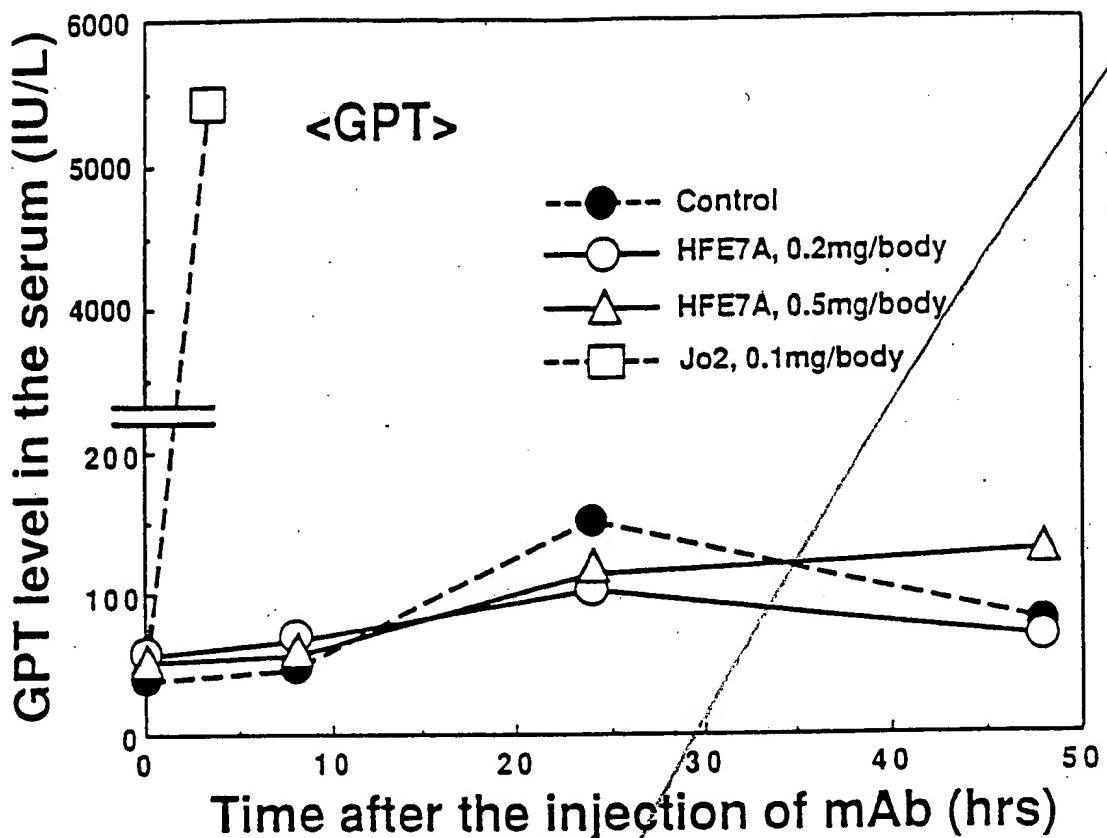


Fig. 5

APPROVED O.G. FIG.
BY CLASS SUBCLASS
DAFTSMAN S30 388.15

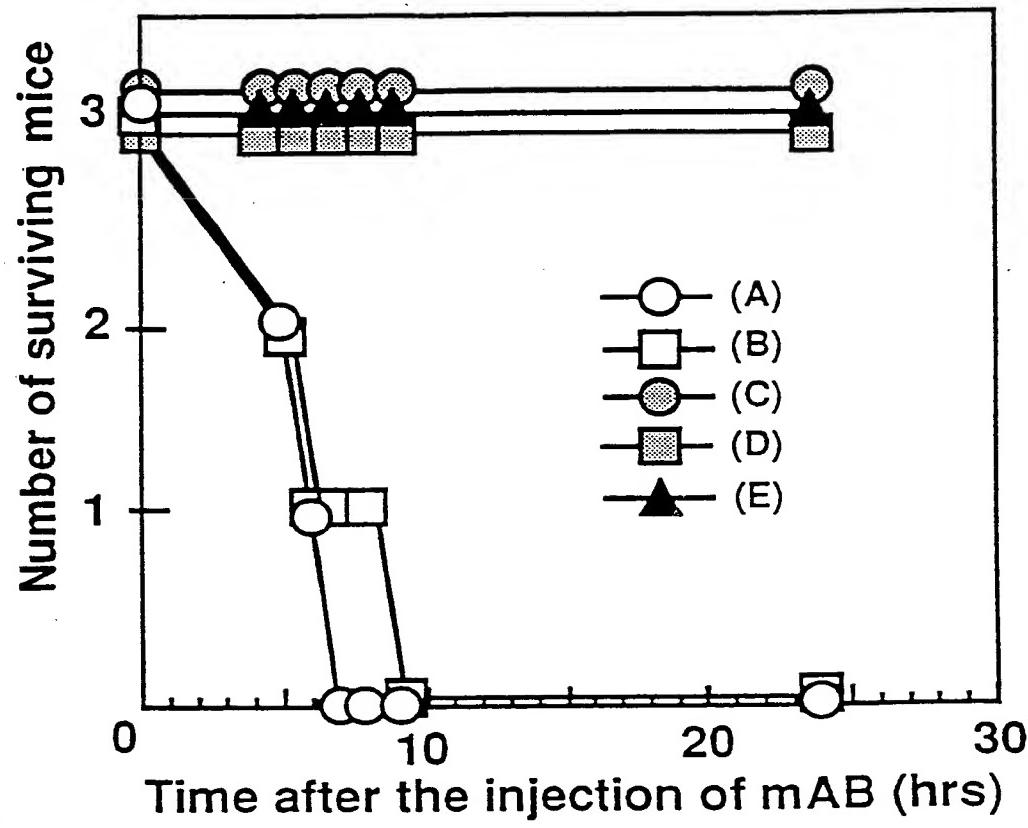


Fig. 6

APPROVED C.G. IgG
BY CLASS SUBCLASS
DRAFTSMAN 530 388.15

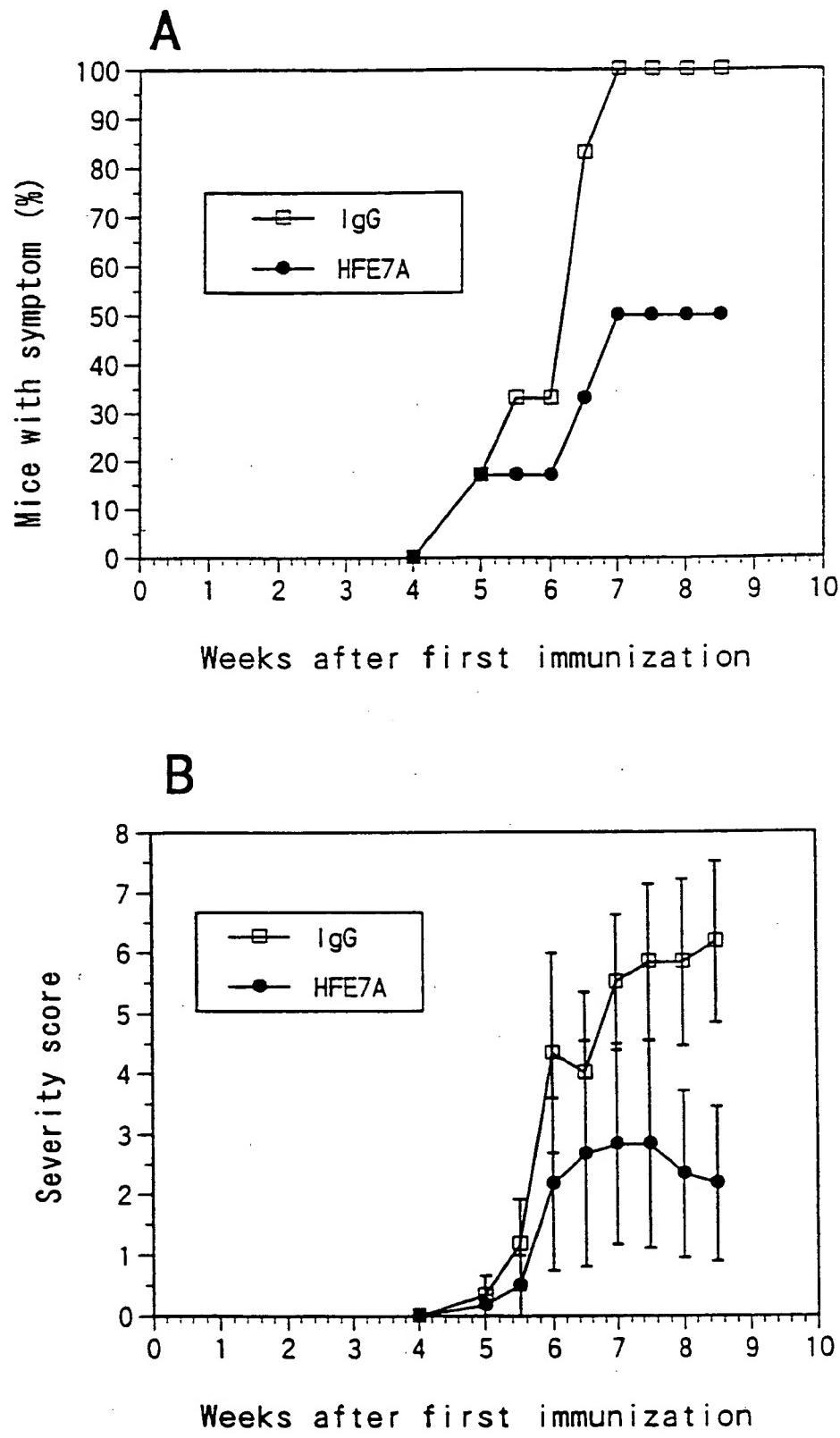


Fig. 7

APPROVED 10.3. 1983.
 CLASS 530 SUBCLASS 388.15
 BY MAHTSAM

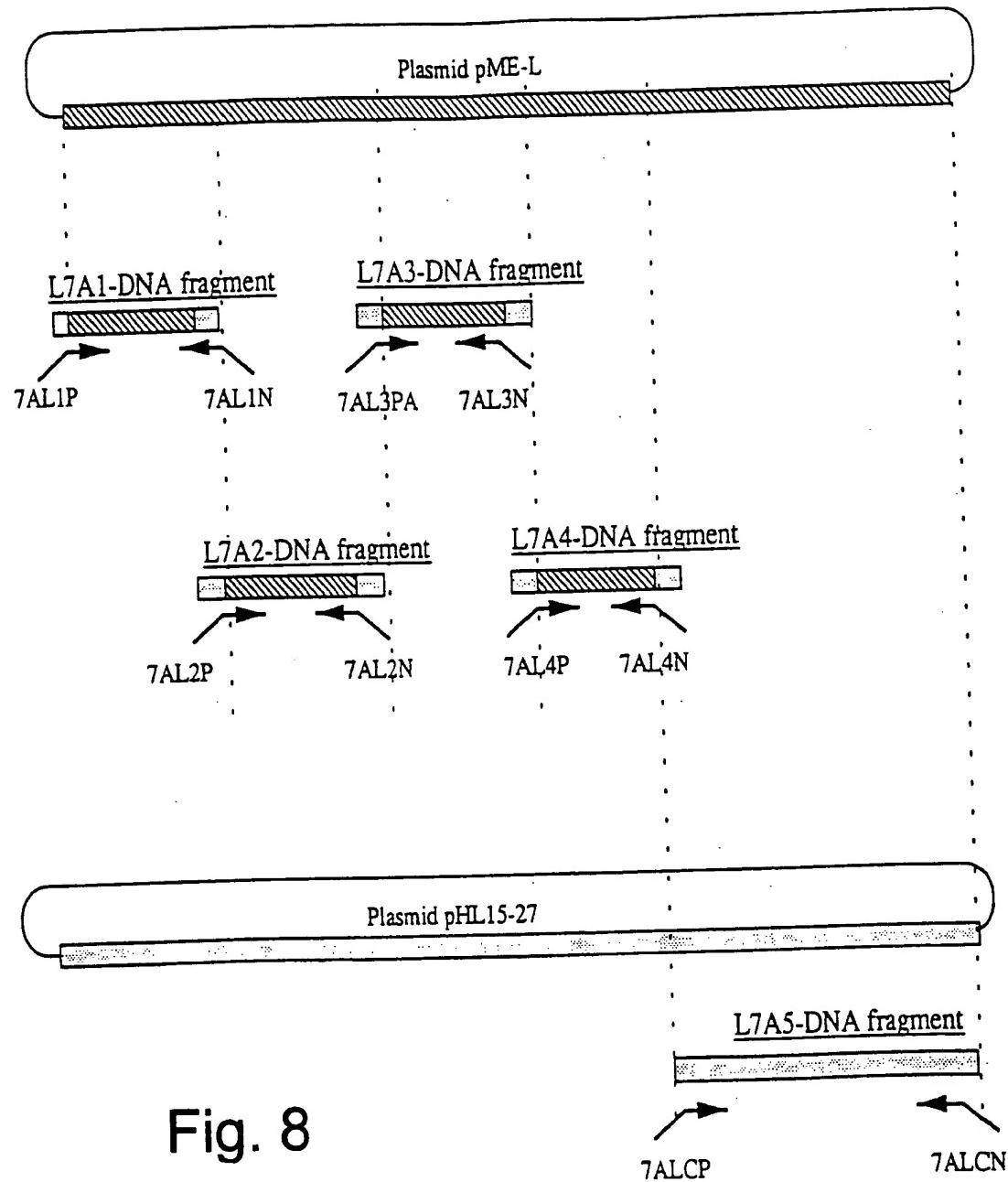


Fig. 8

APPROVED	O.G. FIG.
BY	CLASS
DRAFTSTAN	530 388.15

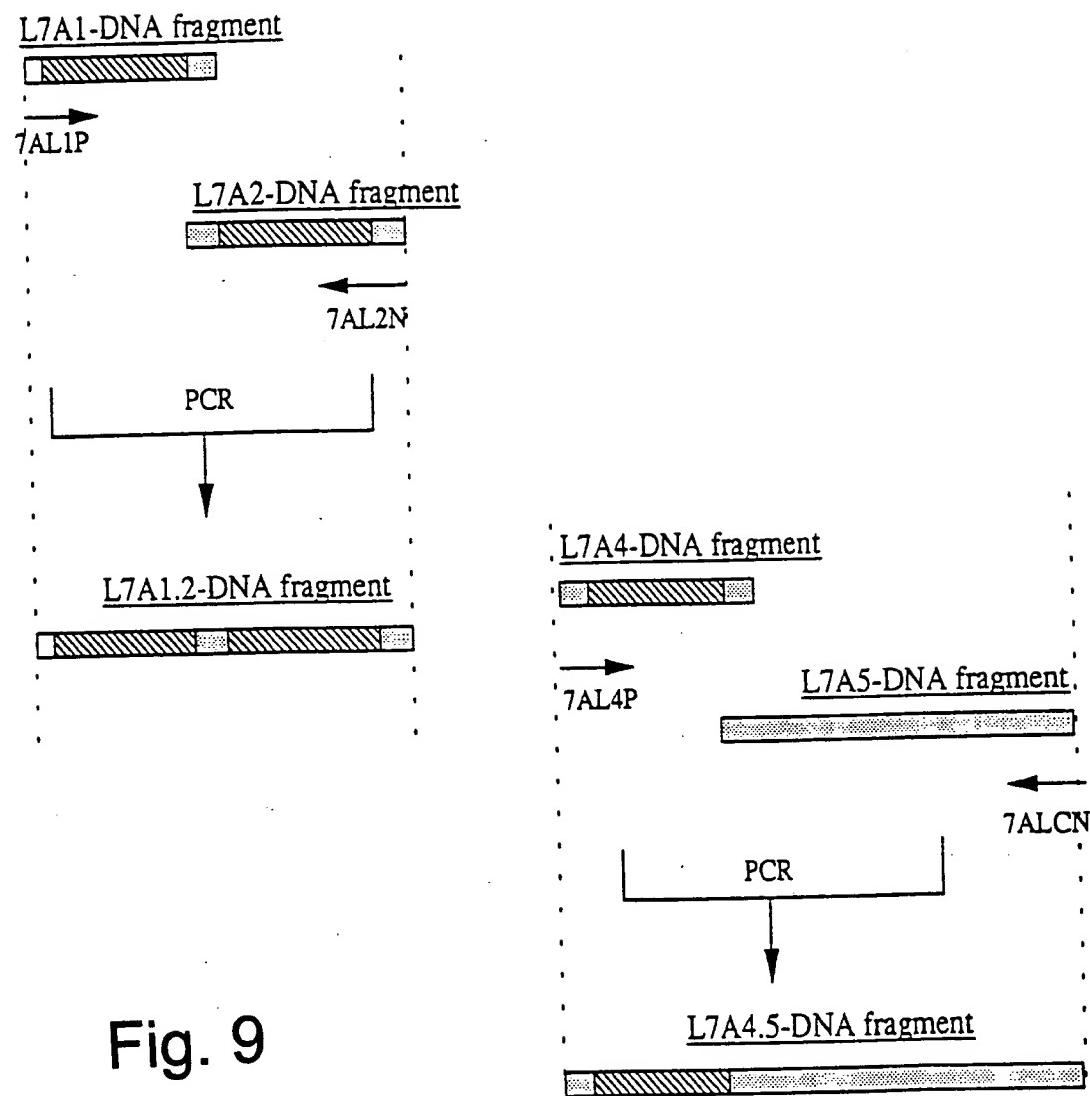


Fig. 9

APPROVED	O.Q.	
BY	CLASS	SUBCLASS
DRAFTSMAN	530	388.15

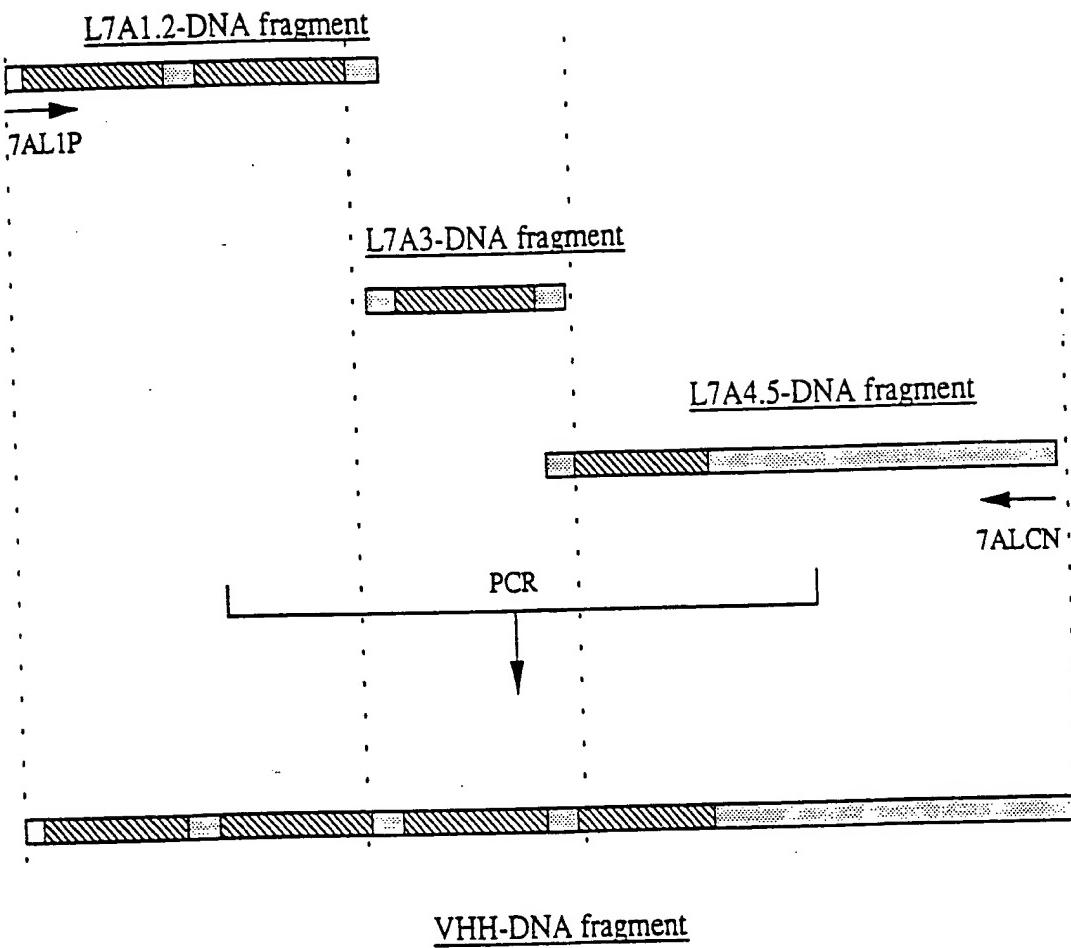
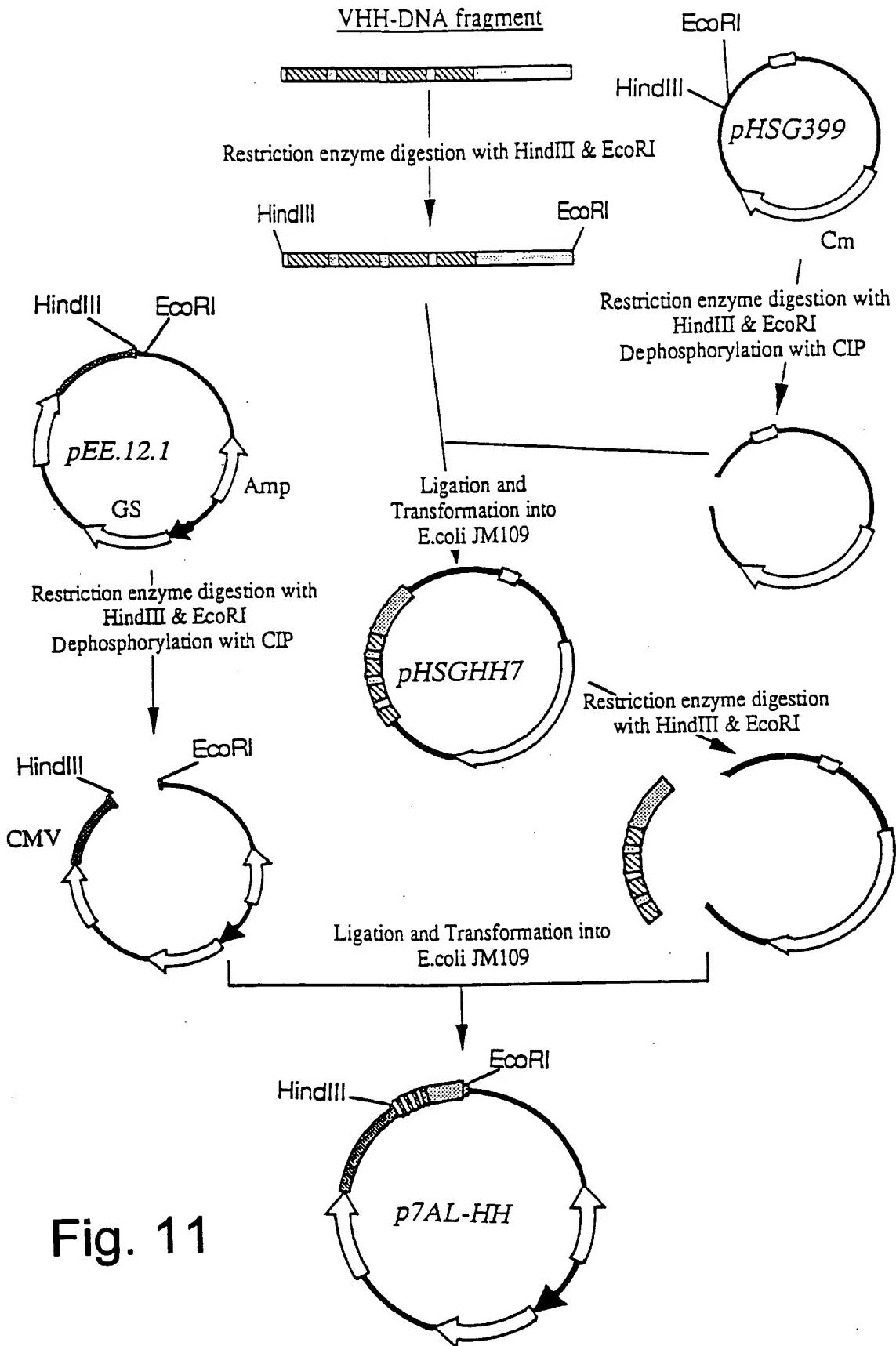
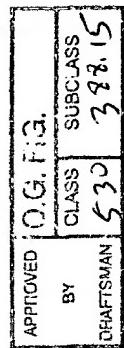


Fig. 10



APPROVED	O.G. FIG.
BY	CLASS
DRAFTSMAN	530 388.15 SUBCLASS

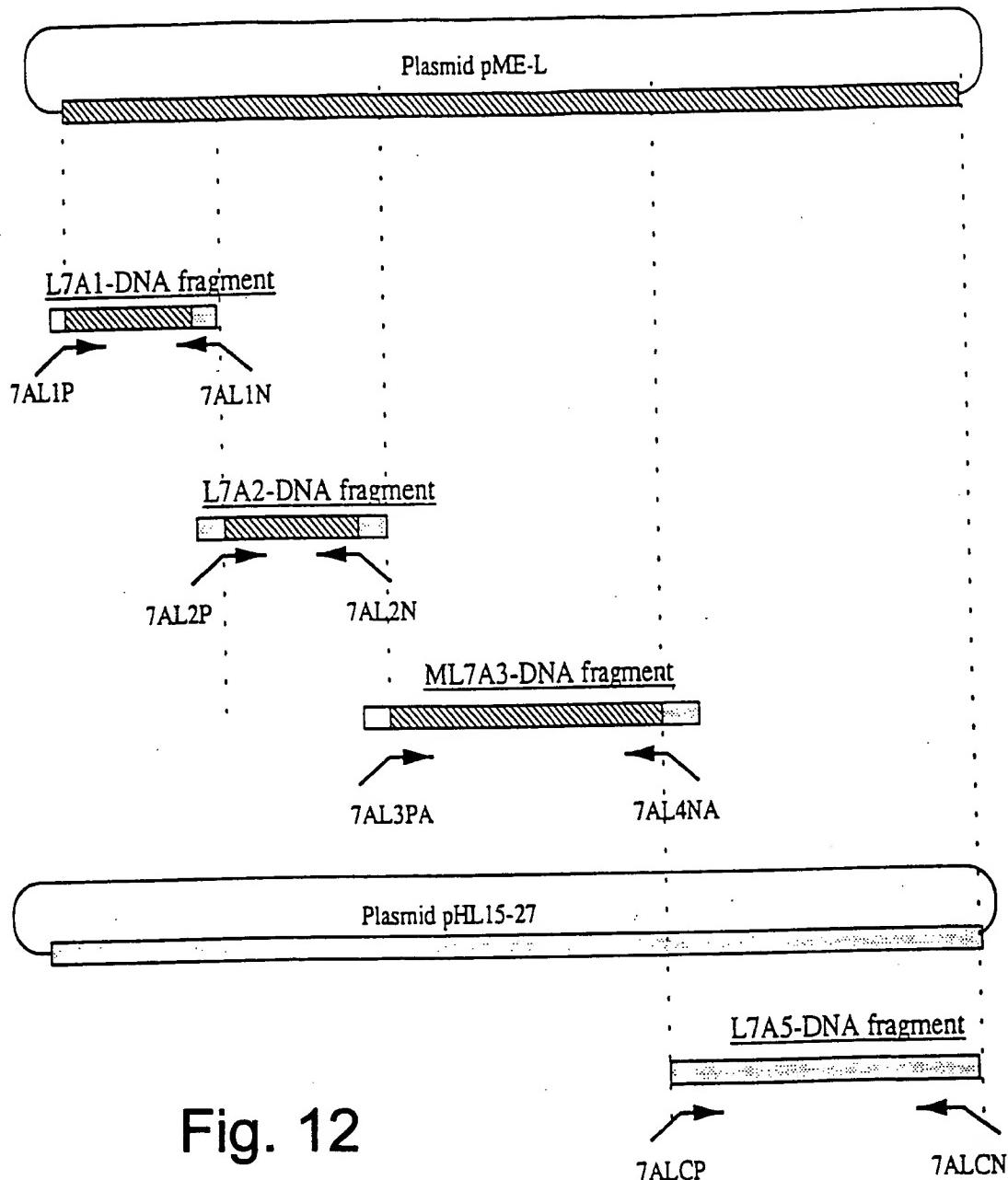


Fig. 12

APPROVED O.G. FIG.
BY DRAFTSMAN CLASS SUBCLASS
DRAFTSMAN 530 398.15

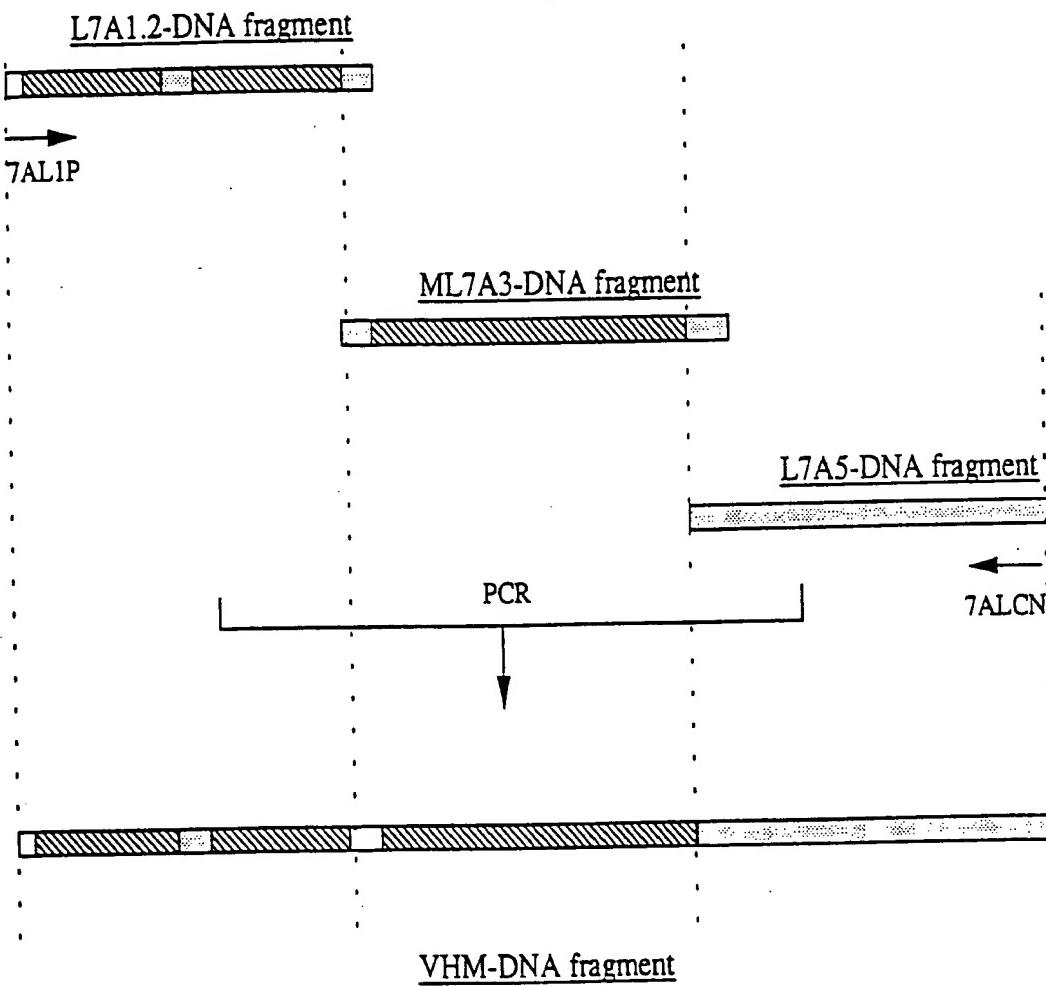
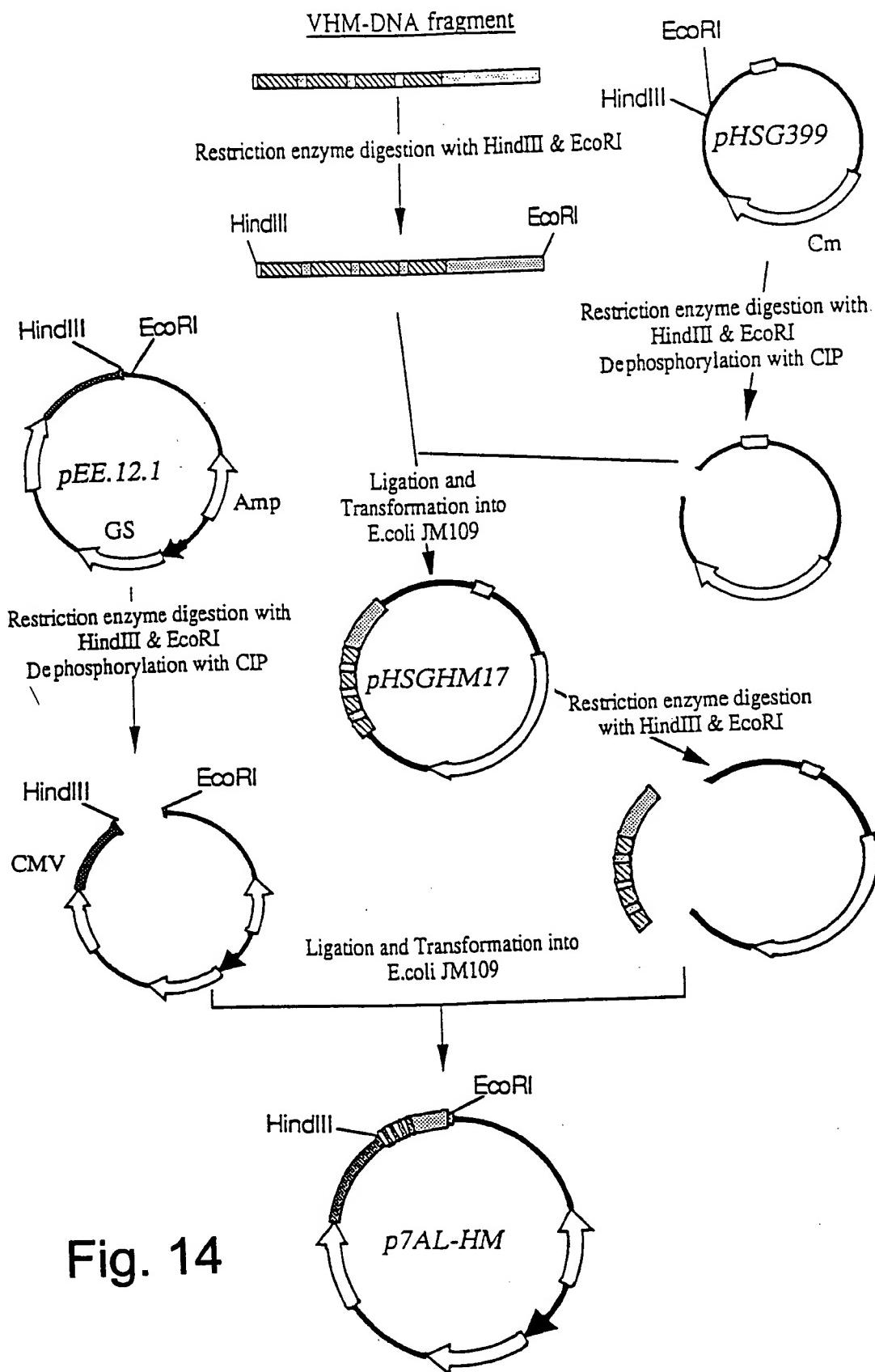
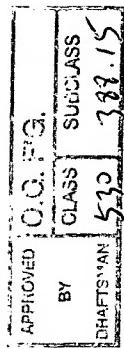
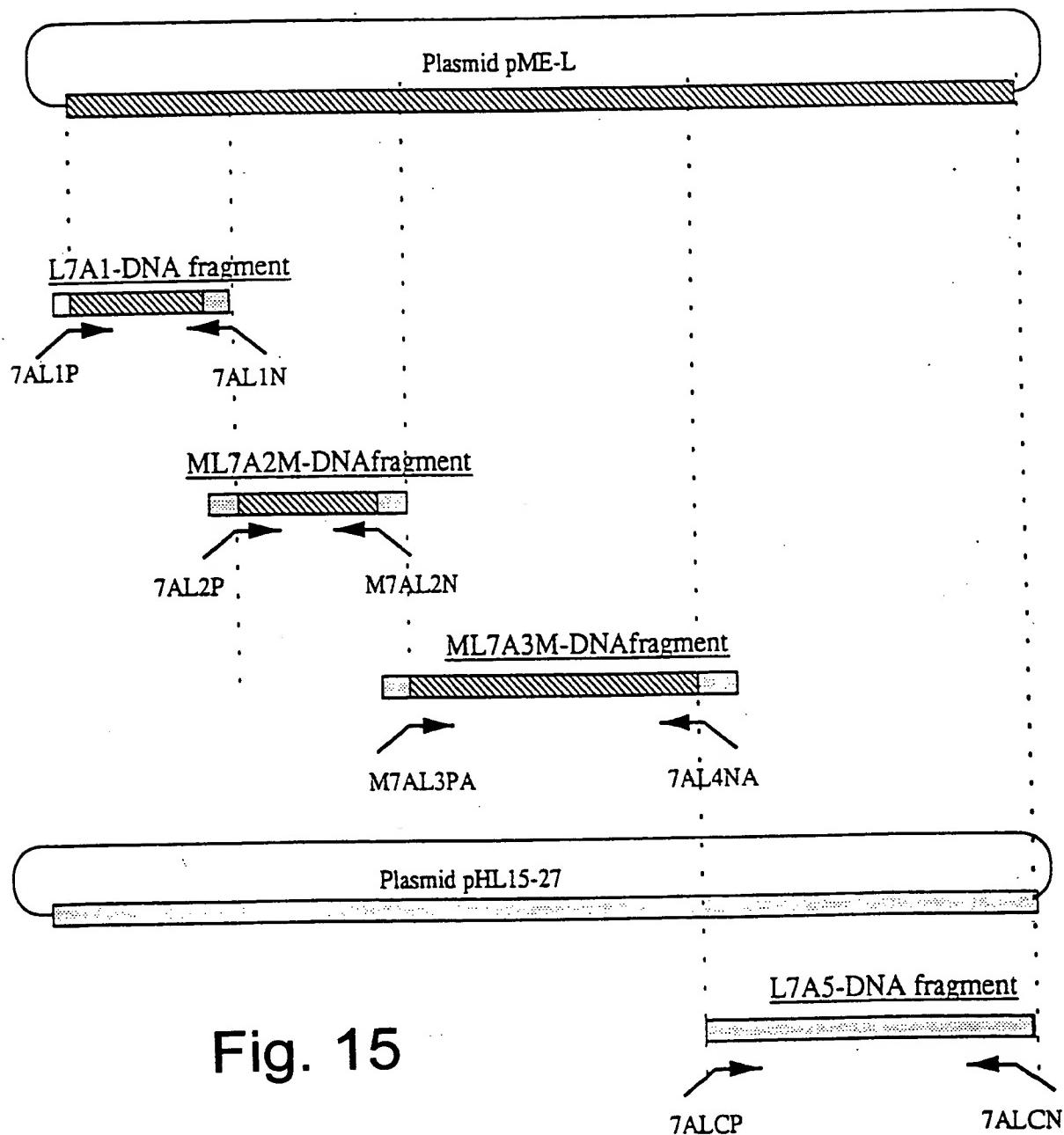


Fig. 13



APPROVED	O.C.	4.G.
CLASS	SUBCLASS	
BY	GRAFTSMAN	530 7.89.15



APPROVED	O.G. FIG.
BY	SURCLASS
DEPTSMAN	510 399.5

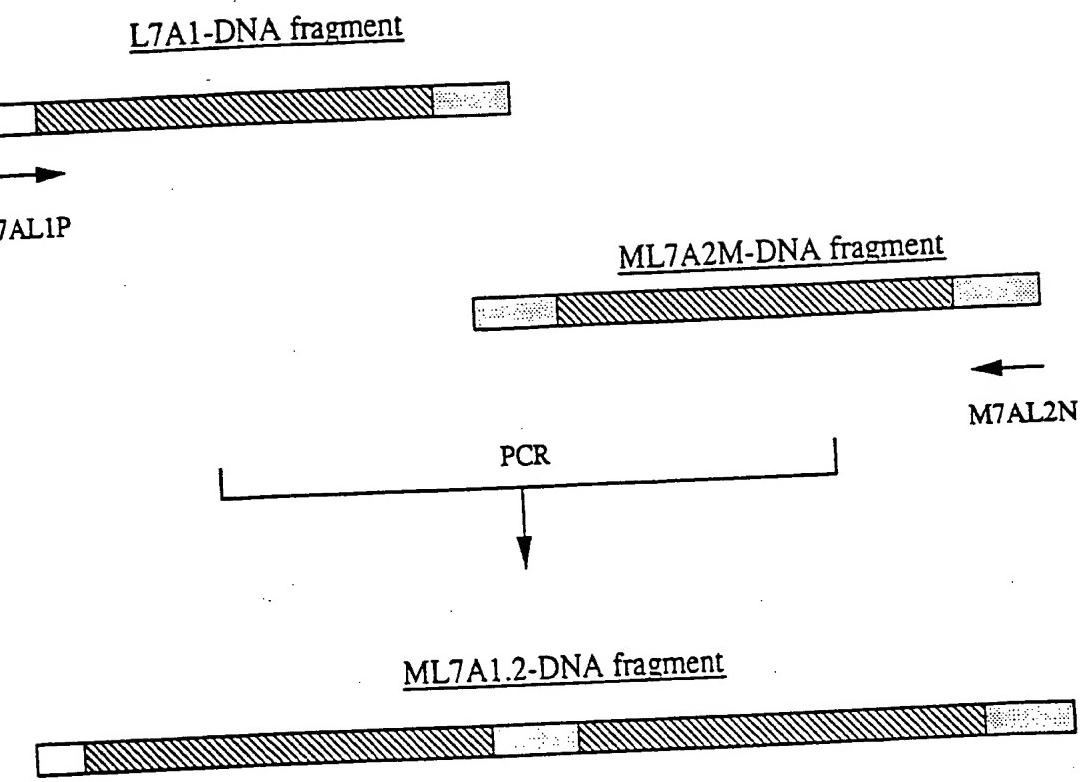


Fig. 16

APPROVED
O.G. FIG.
CLASS 370 SUBCLASS 393.15
BY DRAFTSMAN

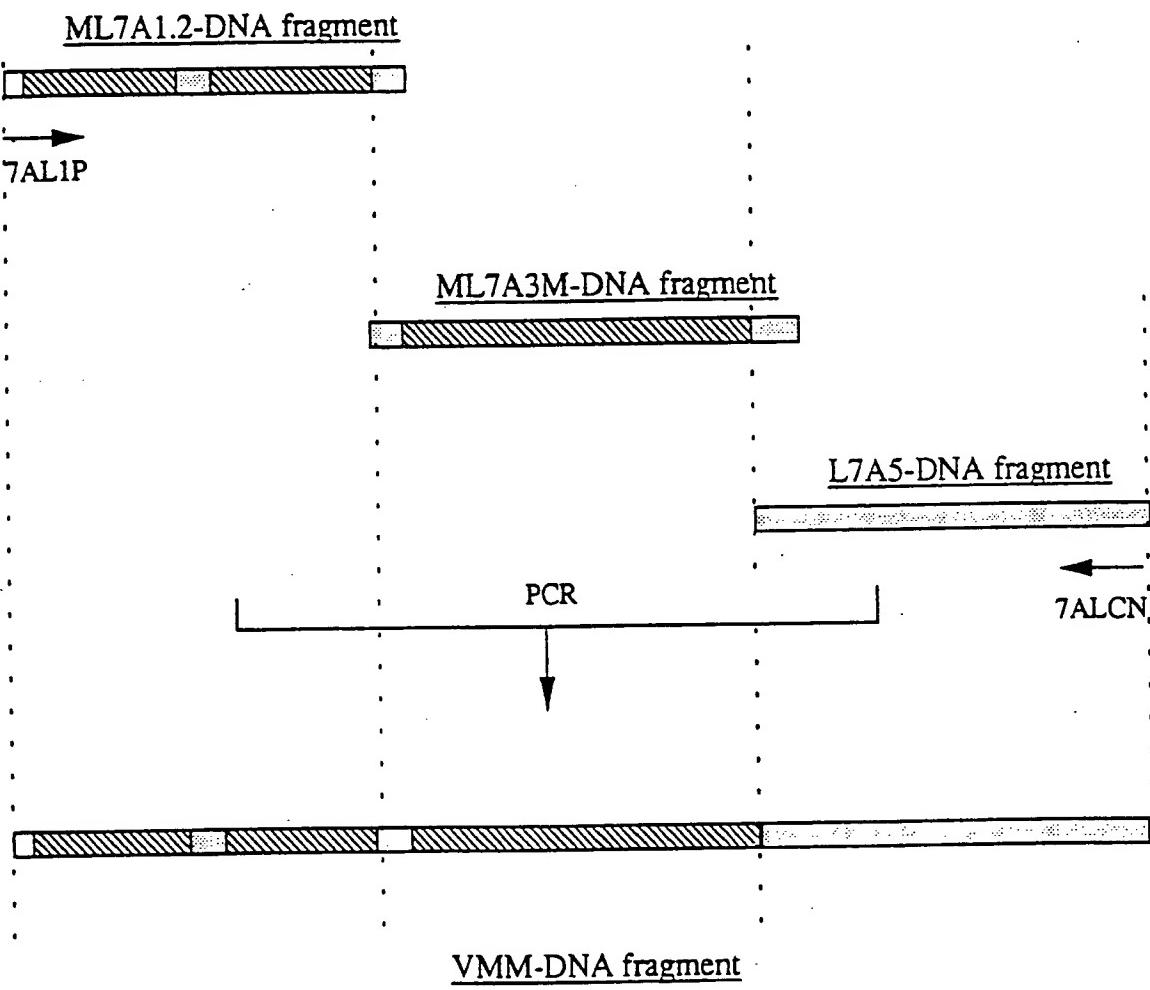


Fig. 17

APPROVED	O.G. FIG.
CLASS	SUBCLASS
DRAFTSMAN	398.15

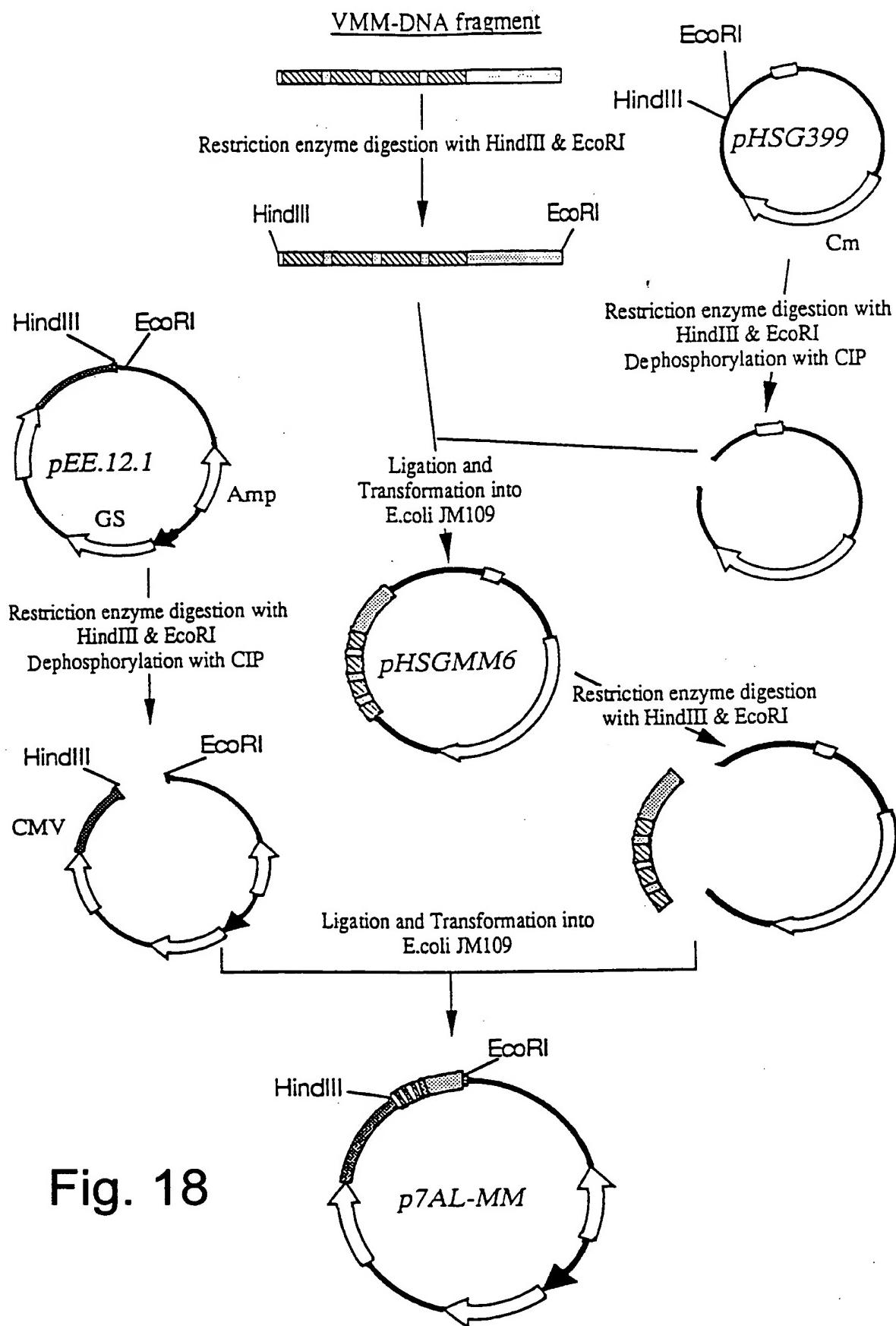


Fig. 18

APPROVED O.G. FIG.

CLASS	SUBCLASS
530	394.15
BY DRAFTSMAN	

00000000000000000000000000000000

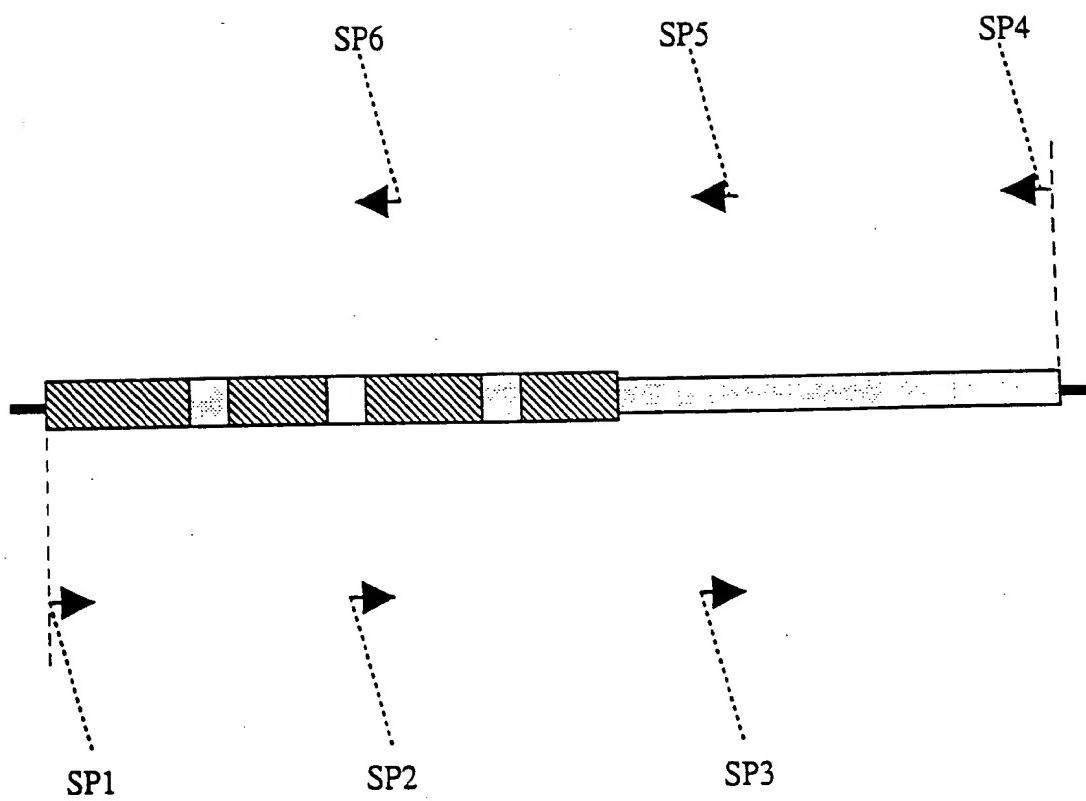


Fig. 19

APPROVED	O.C. F.C.	
BY	CLASS	SUBCLASS
DRAFTSMAN	530	369.15

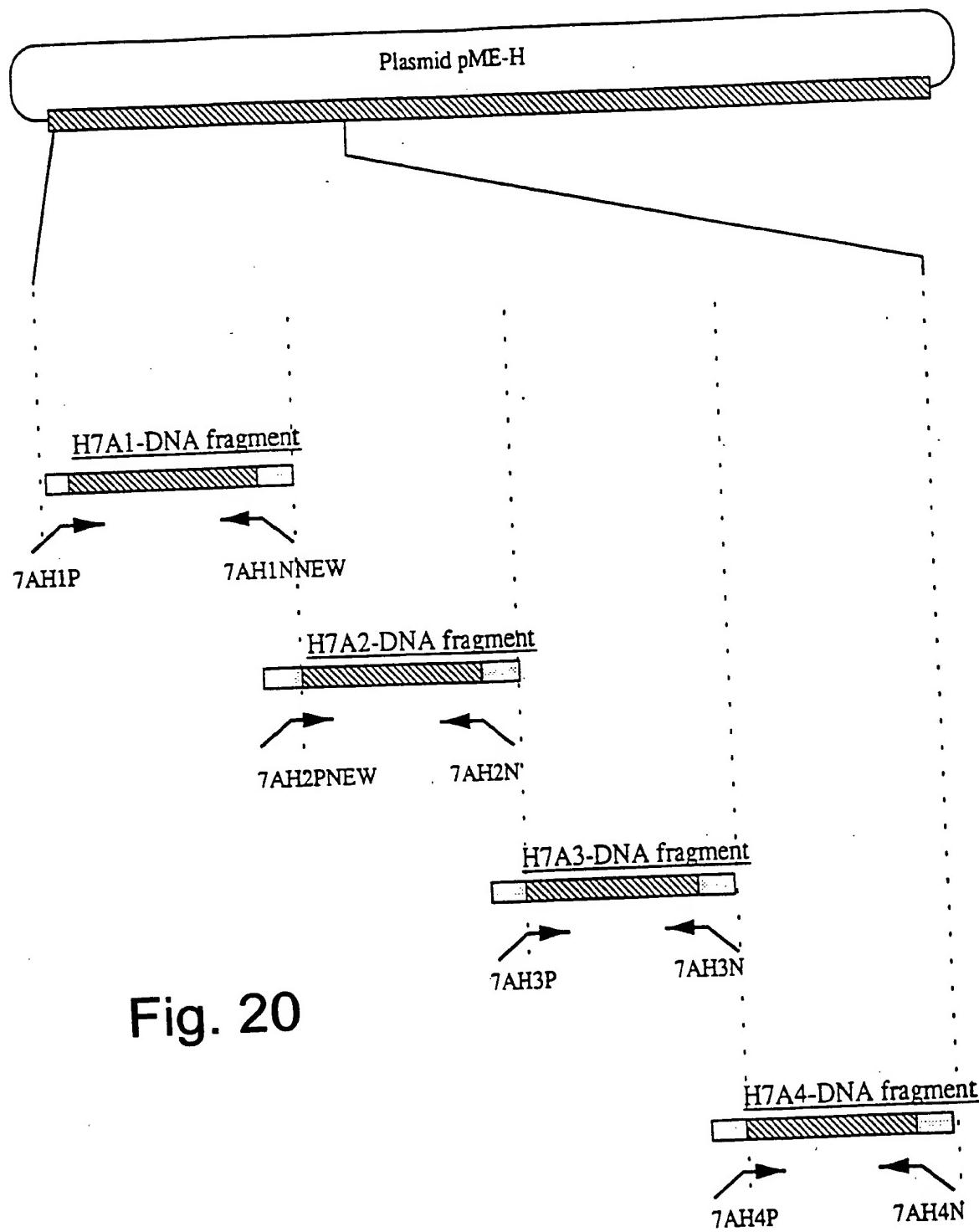


Fig. 20

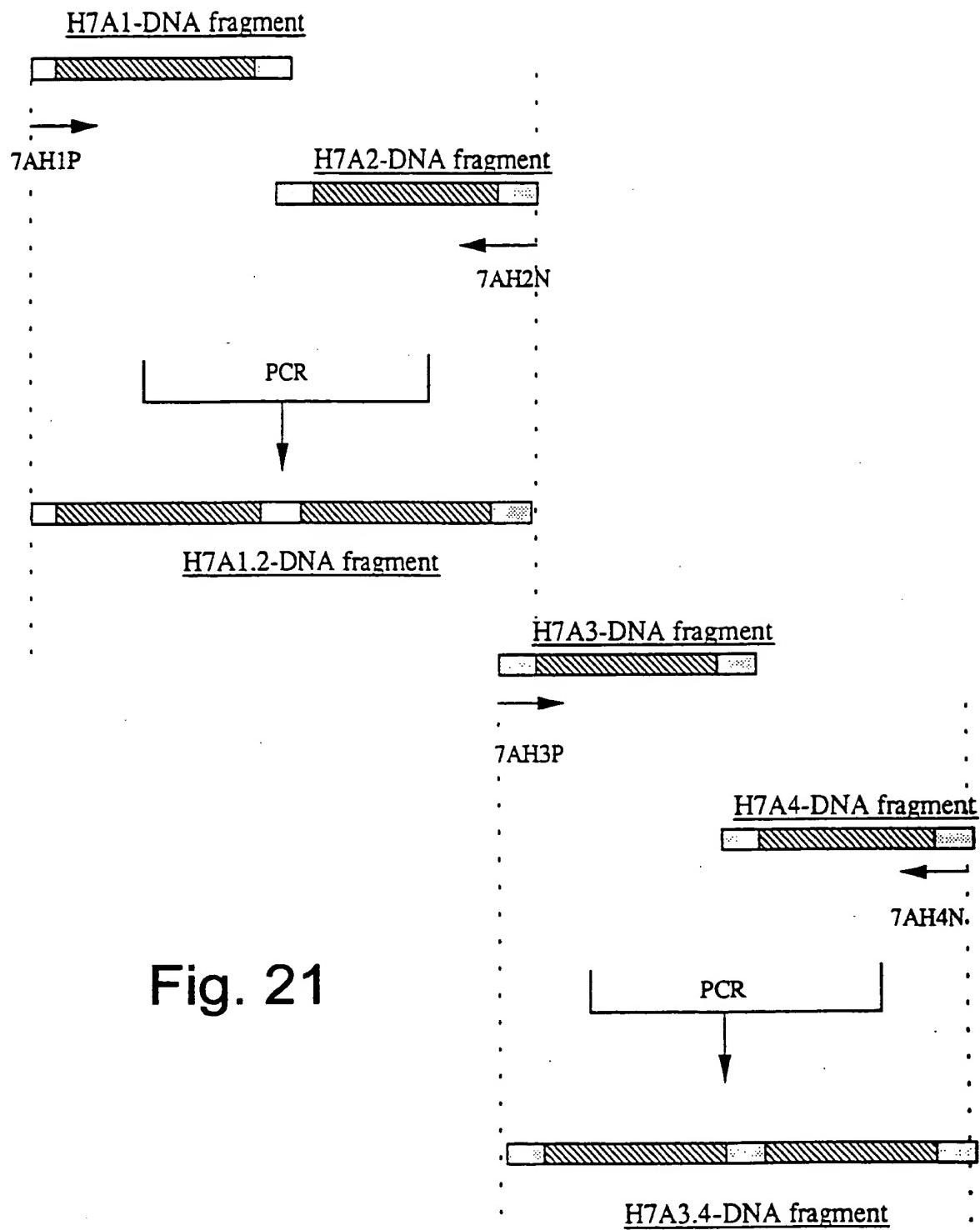
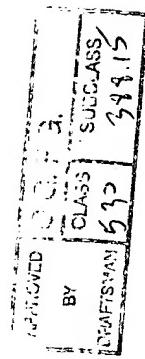


Fig. 21

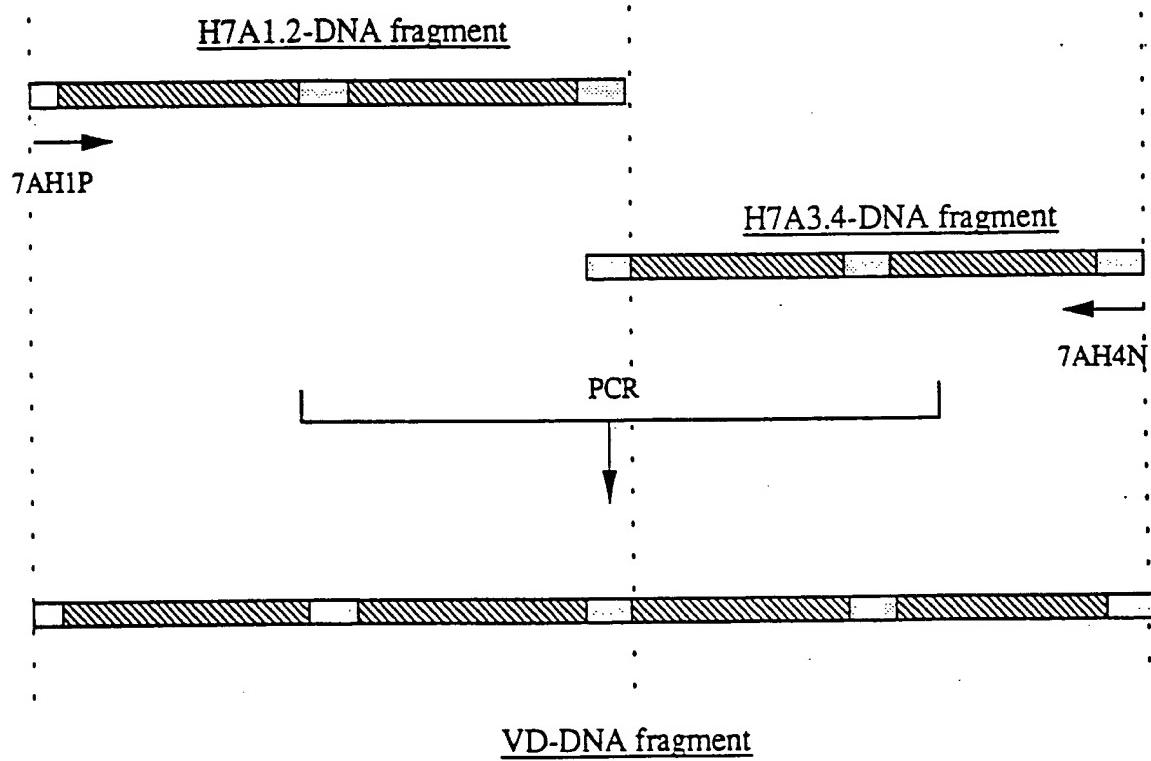
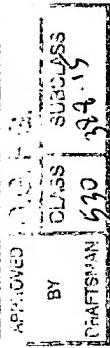


Fig. 22

APPROVED O.G. FIG.
 CLASS SUBCLASS
 BY DRAFTSMAN DATE
 510 319.15
 DRAFTSMAN

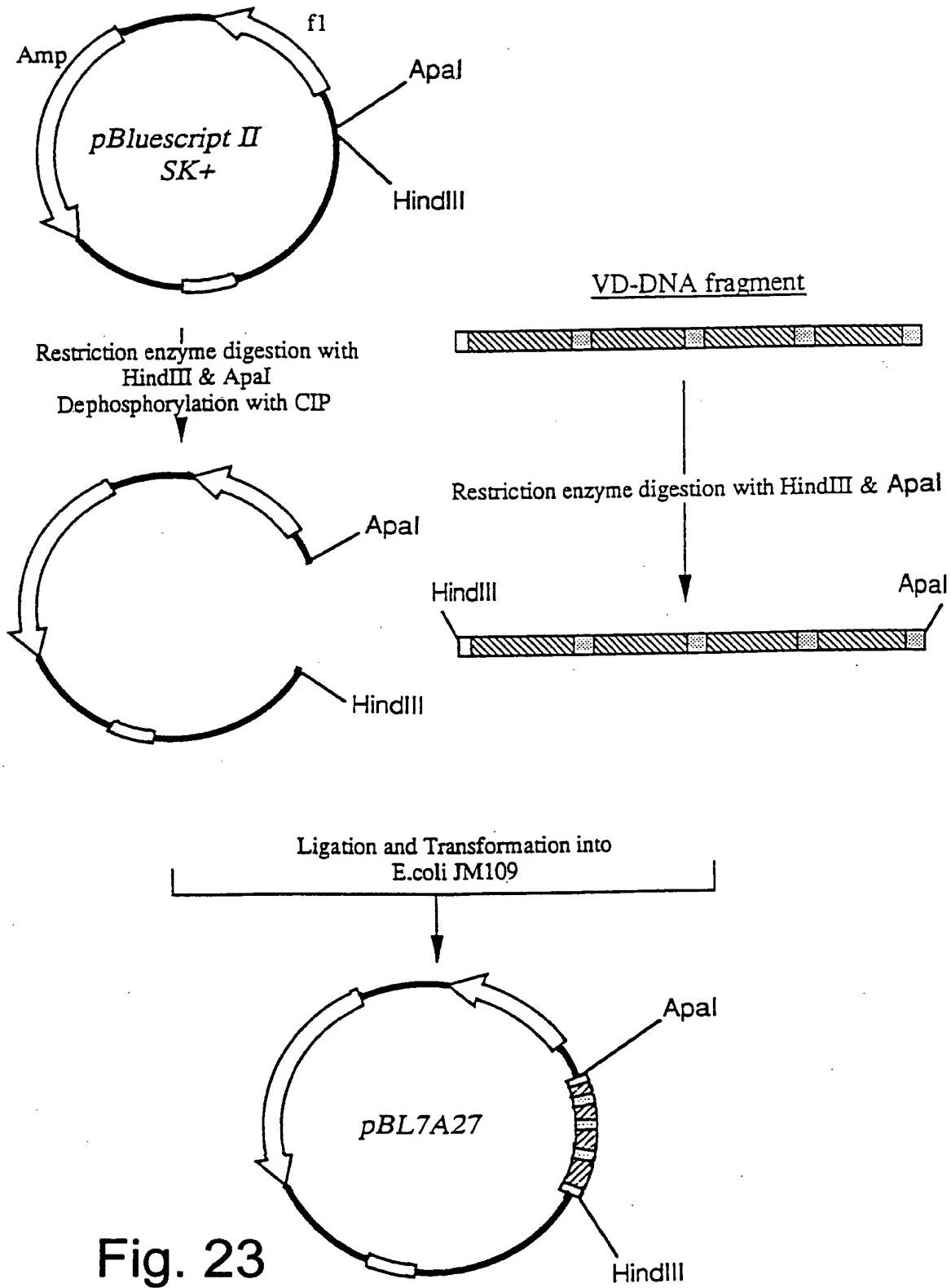


Fig. 23

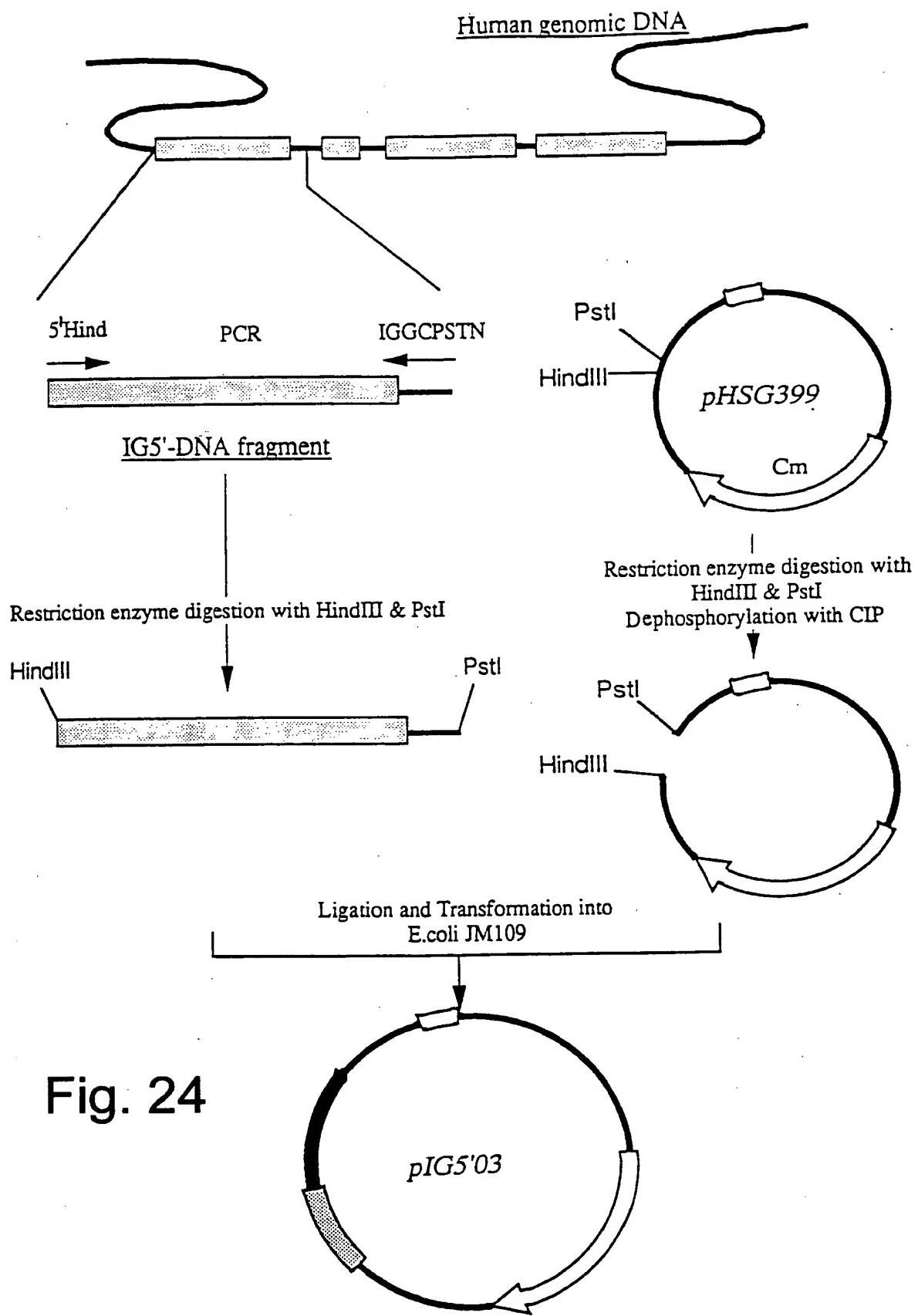
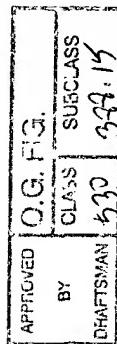
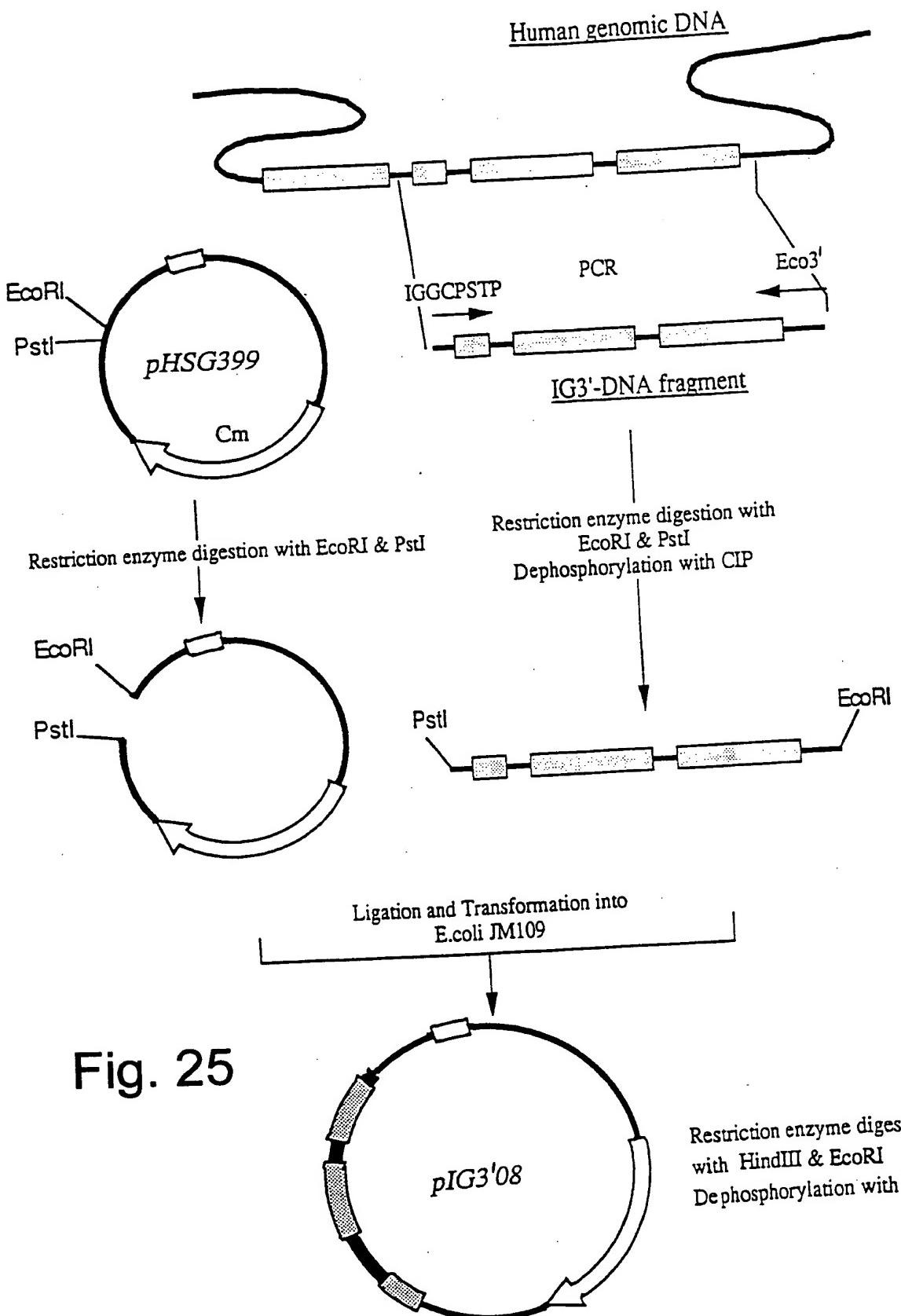


Fig. 24

APPROVED	O.G. FIG.
BY	CLASS
DRAFTSMAN	SUBCLASS
510	319.15



APPROVED	O.G. FIG.
CLASS	SUBCLASS
530	338.15
By	INTERFACULTY

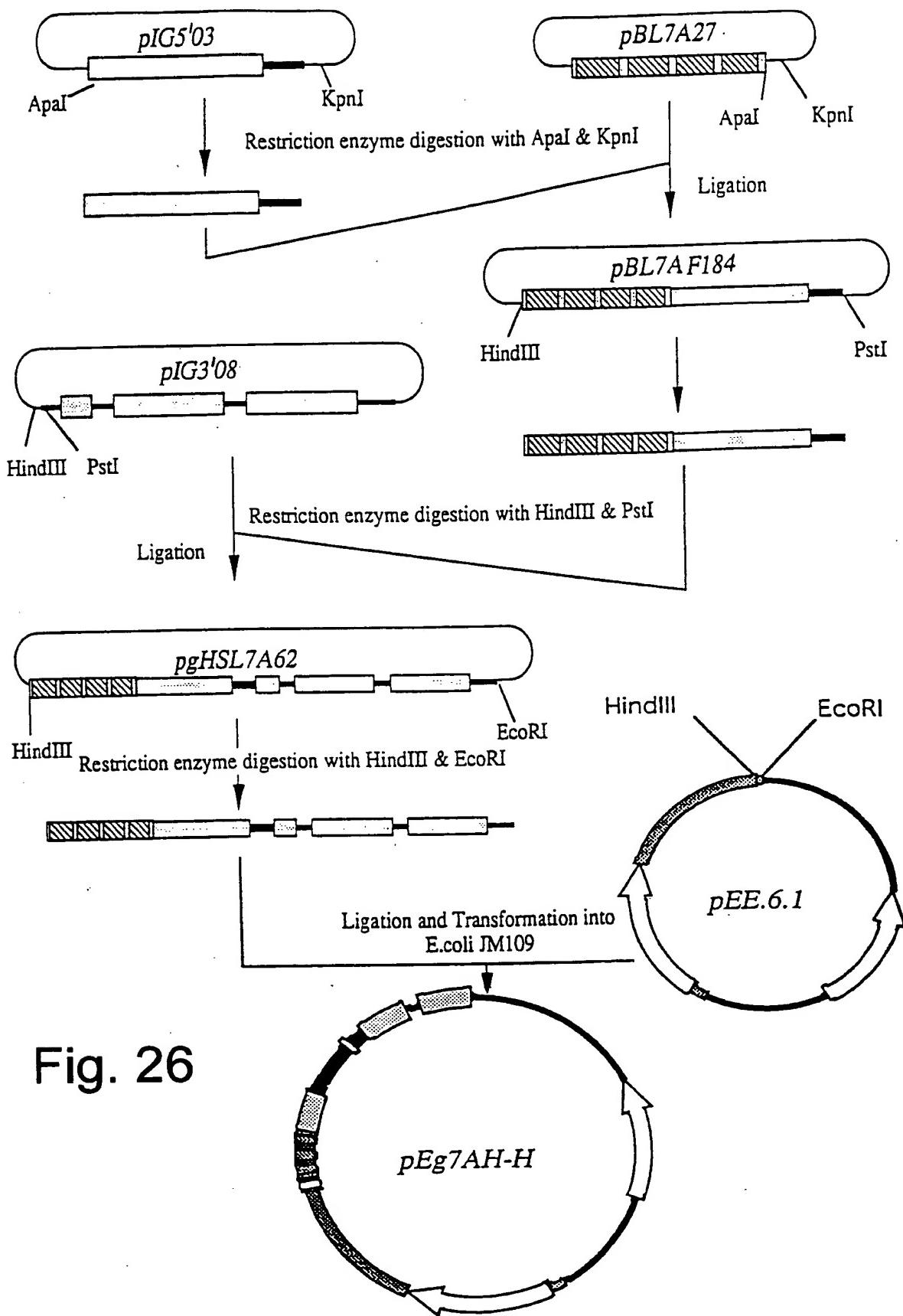


Fig. 26

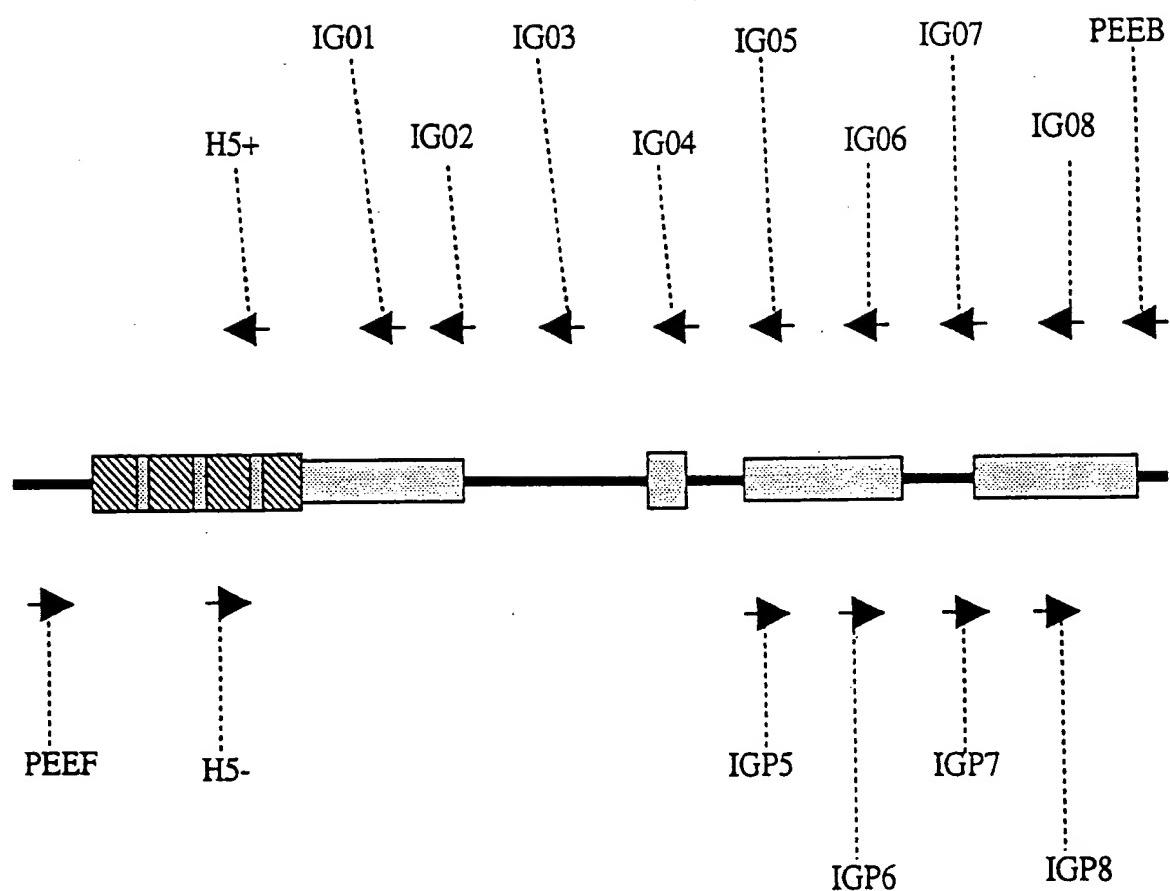
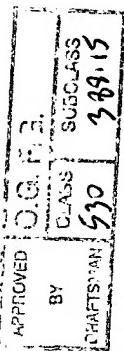


Fig. 27

SEARCHED
INDEXED
SERIALIZED
FILED
JUN 17 1988
LIBRARY
CLAS. 530 SUBCLAS. 348.15

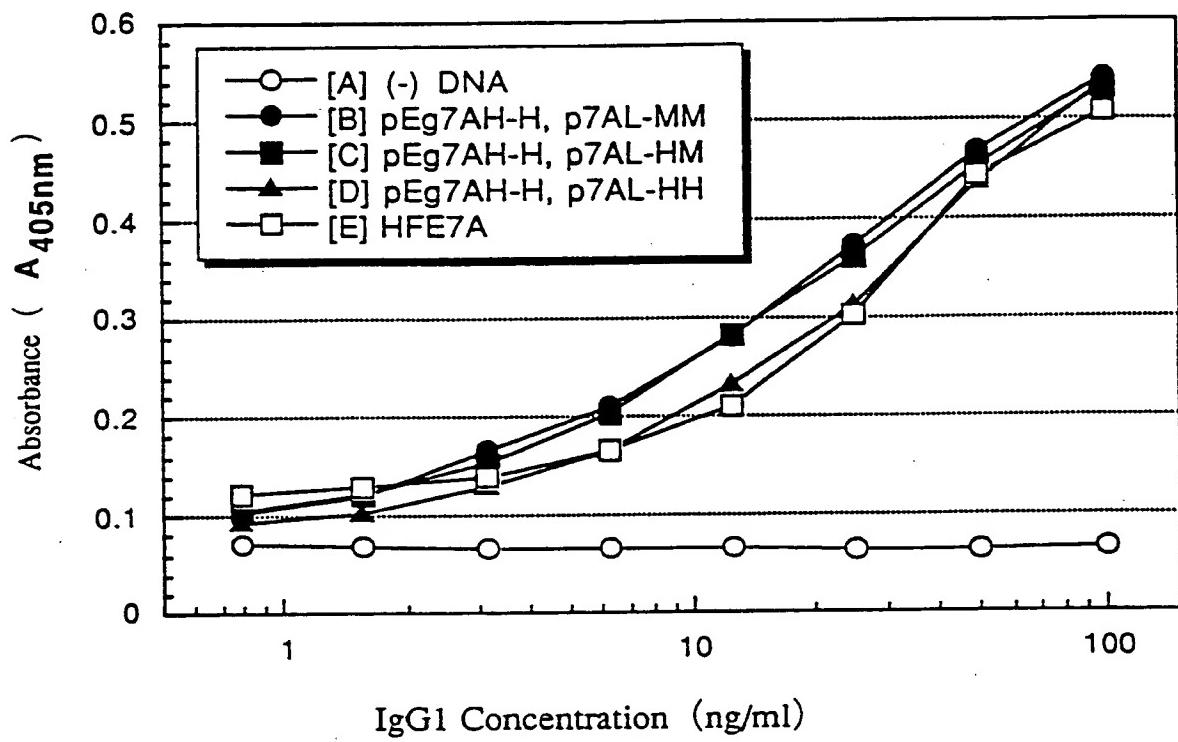


Fig. 28

APPROVED	O.C. F. 2.
BY	CLASS
G. J. SIVAM	SUBCLASS
530	384.15

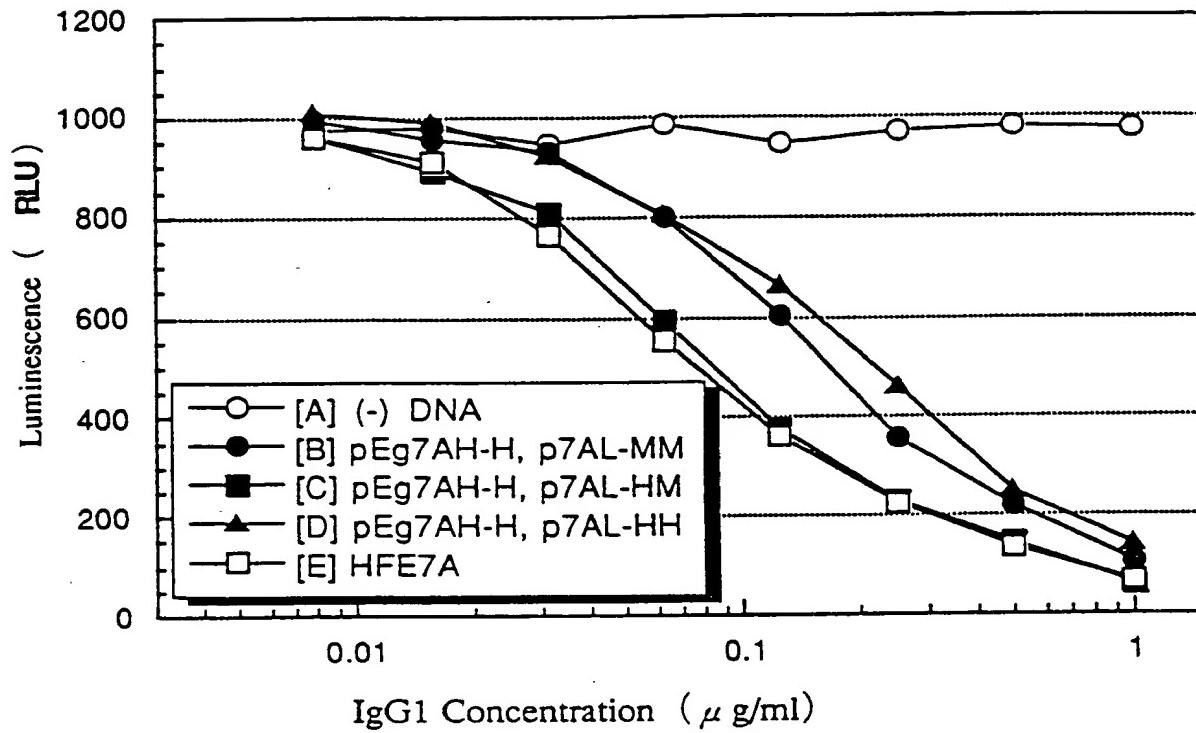


Fig. 29

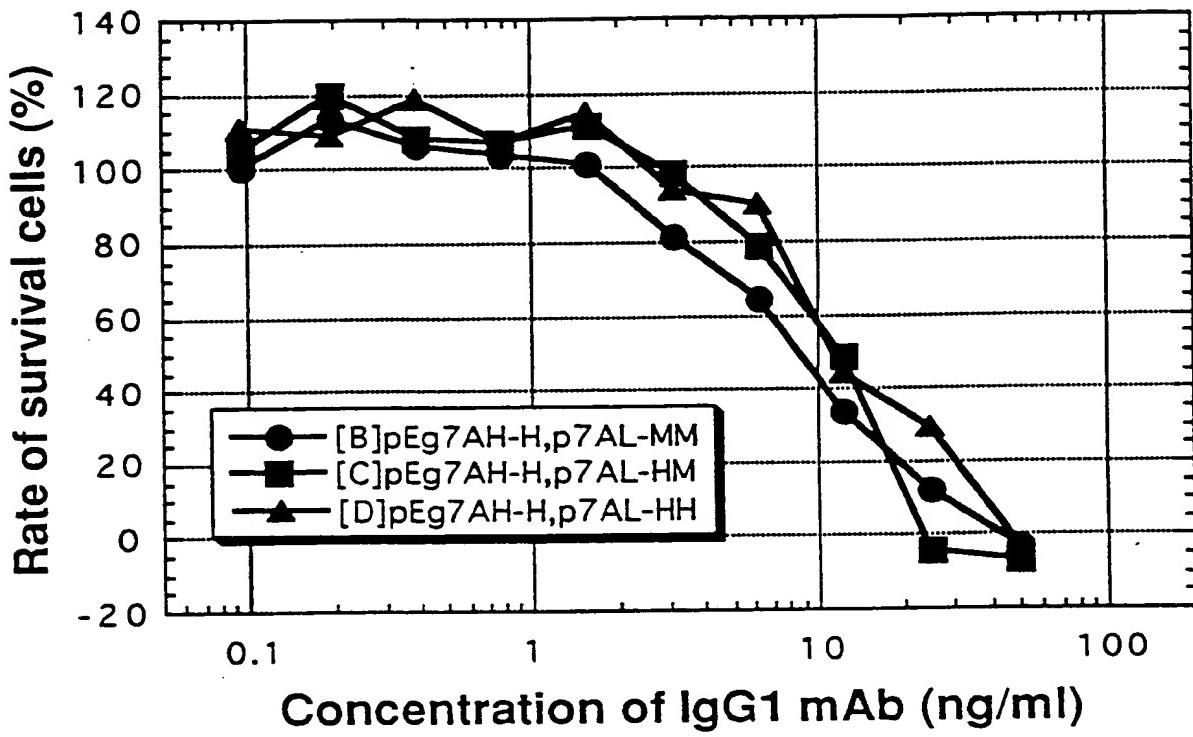
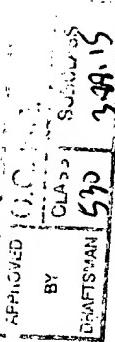


Fig. 30



RECORDED IN INDEX

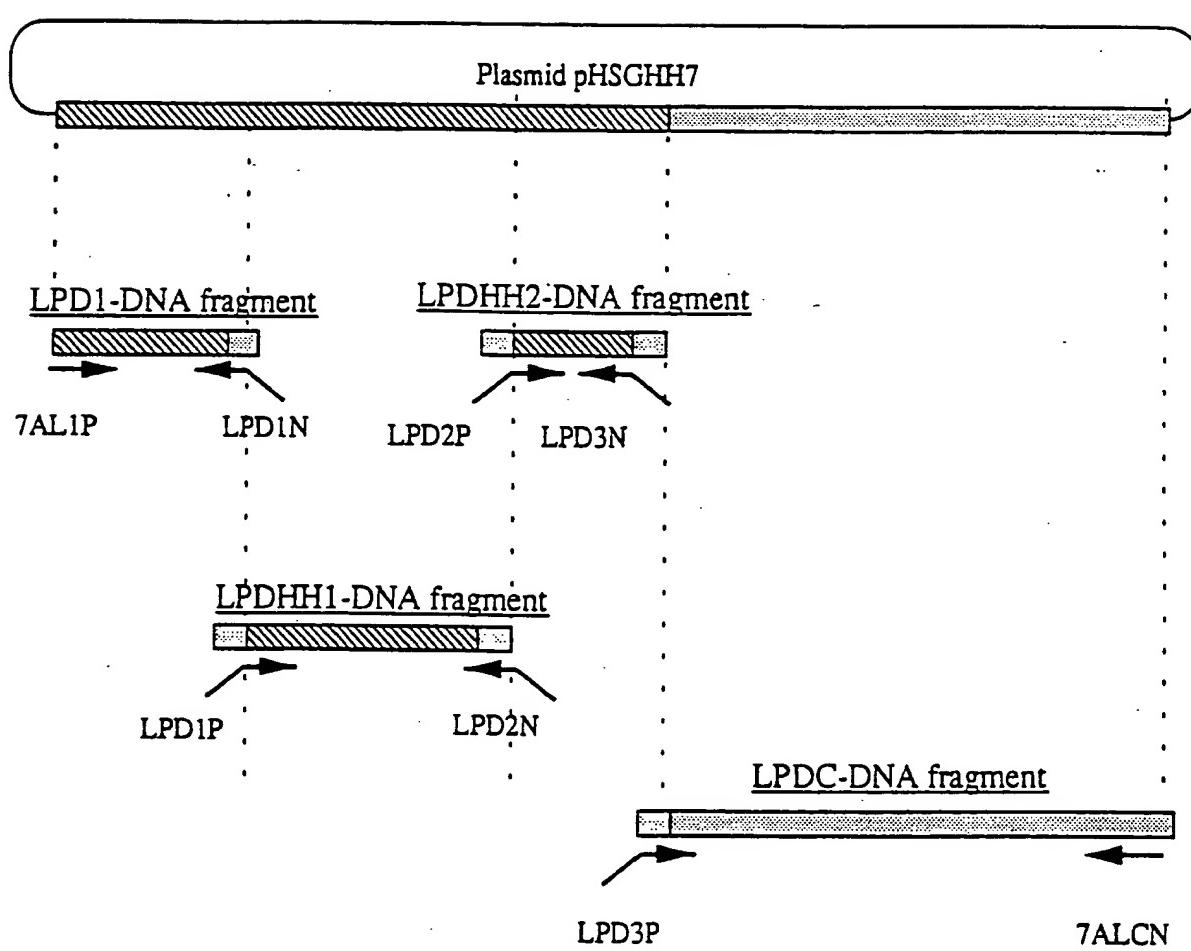


Fig. 31

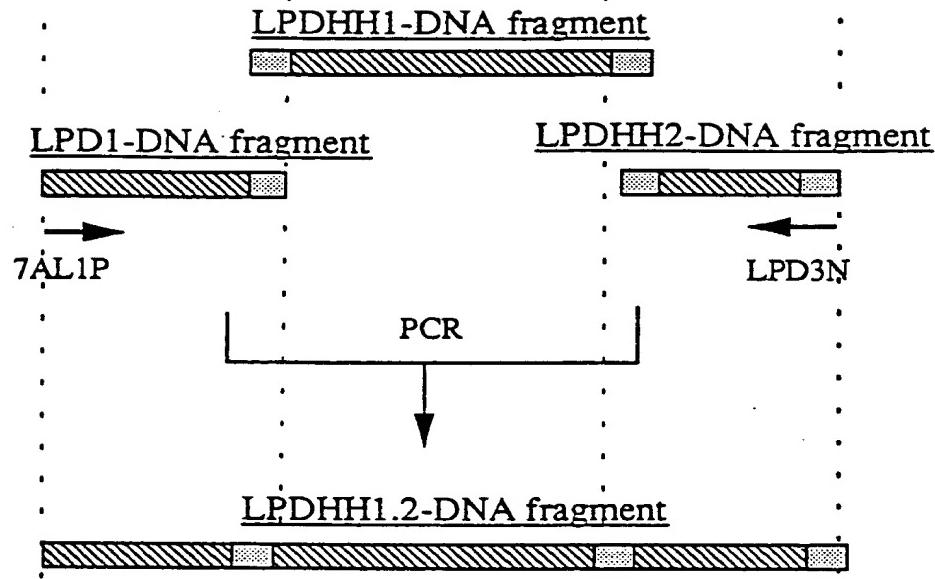


Fig. 32

APPROVED	O.C. H.G.
BY	
CLASS	SUBCLASS
DRAFTSMAN	530 388.15

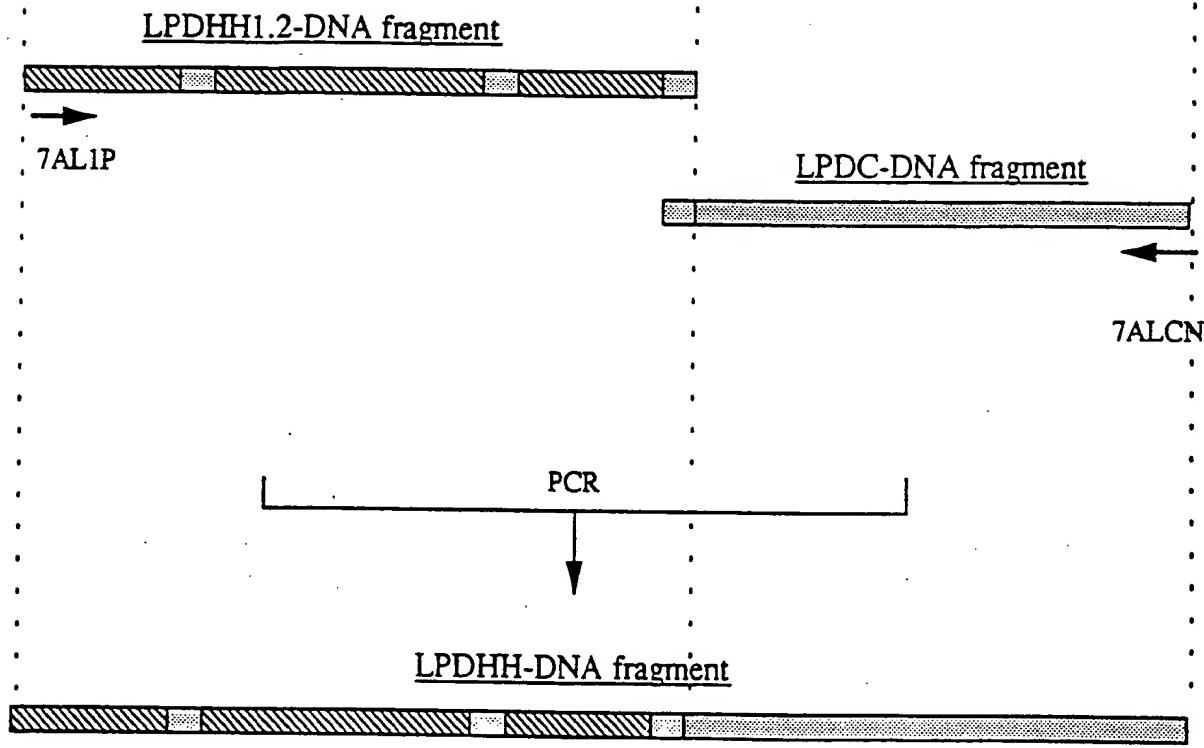
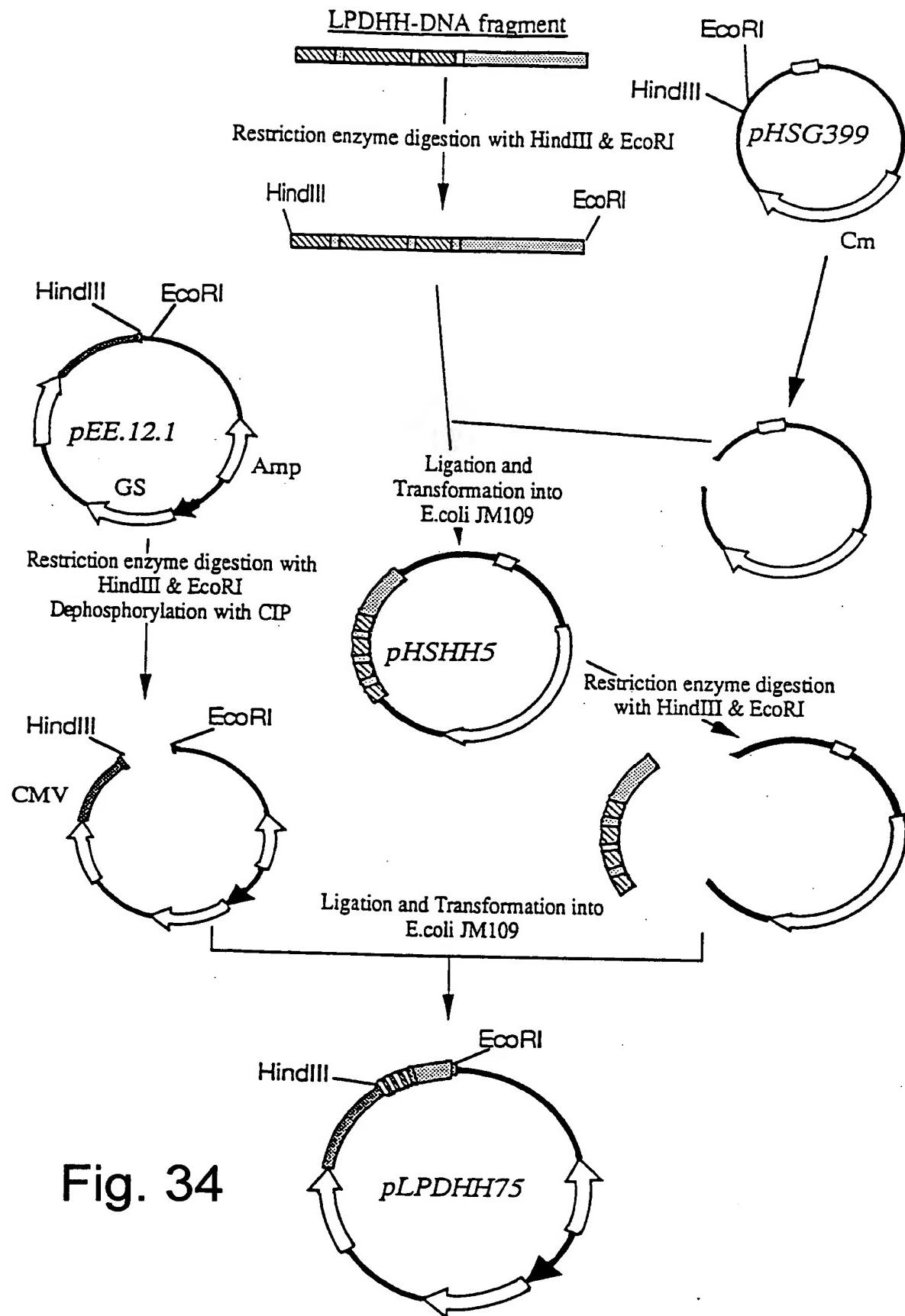


Fig. 33



SEARCHED _____
INDEXED _____
SERIALIZED _____
FILED _____
BY _____
CLASS: 530
SUBCLASS: 389.15
DATE SEARCHED: 5/15/84

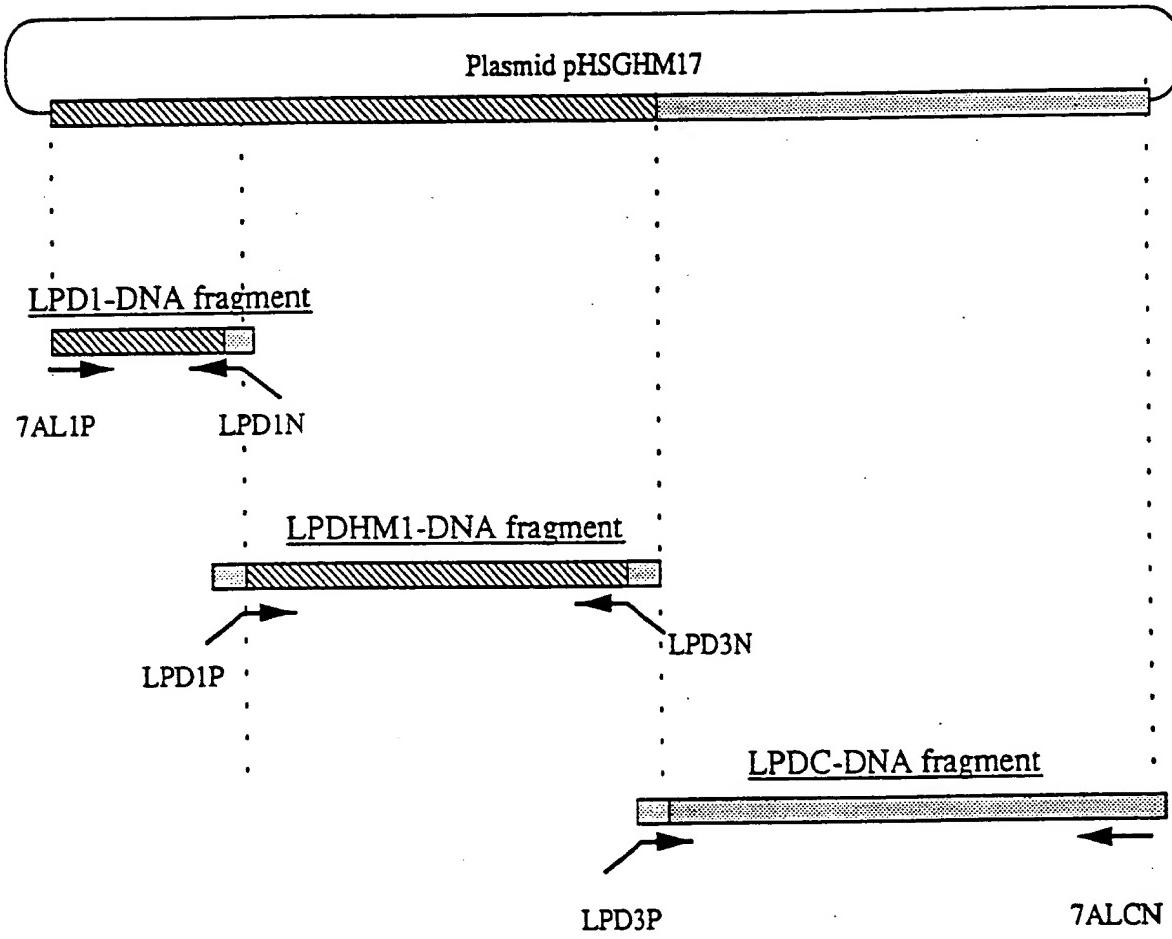


Fig. 35

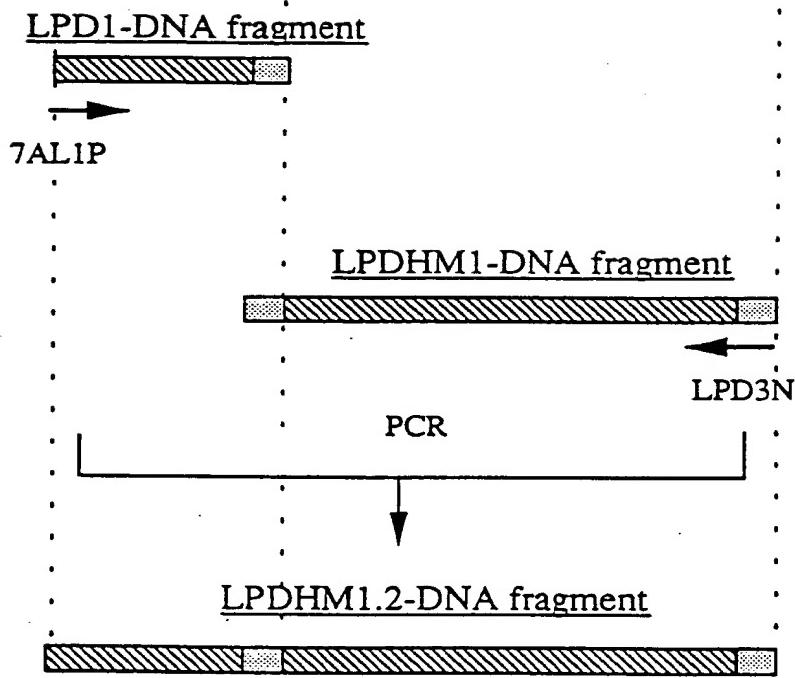
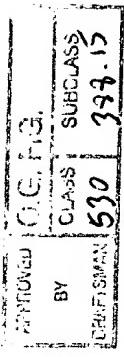


Fig. 36

APPROVED	O.G. P.G.	
BY	CLASS	SUBCLASS
RETAPEMAN	530	333.15

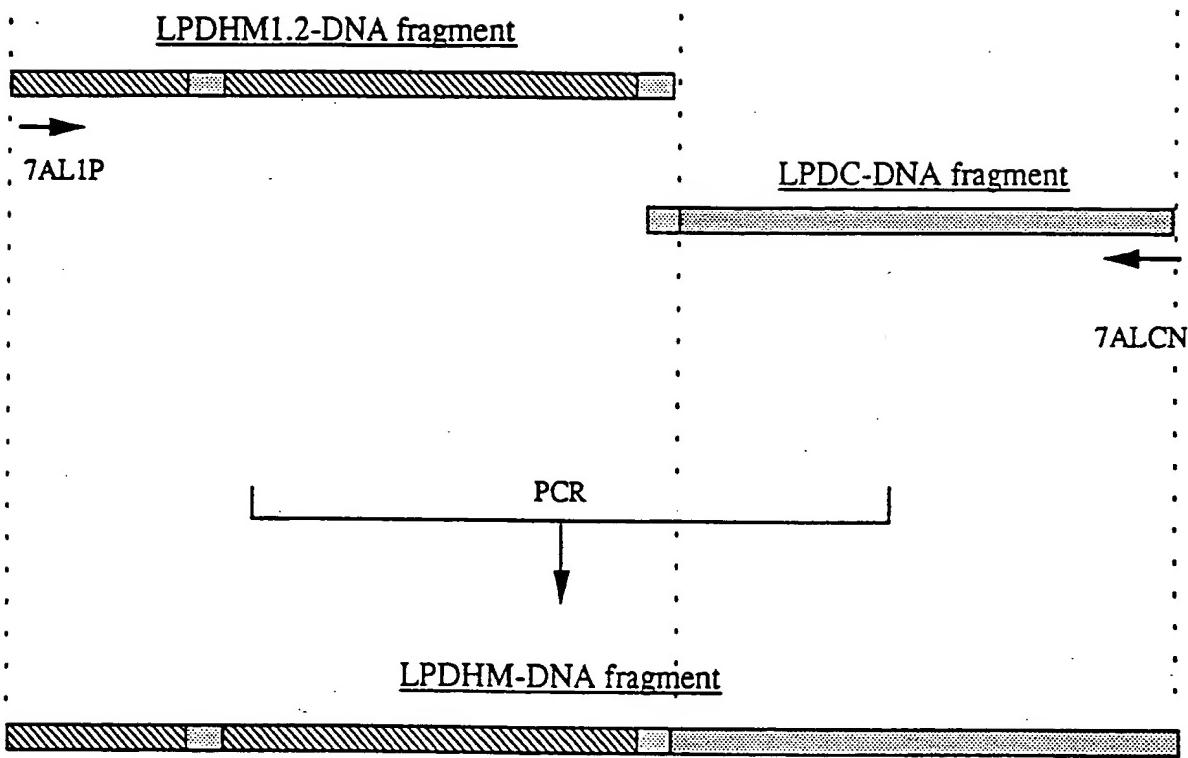


Fig. 37

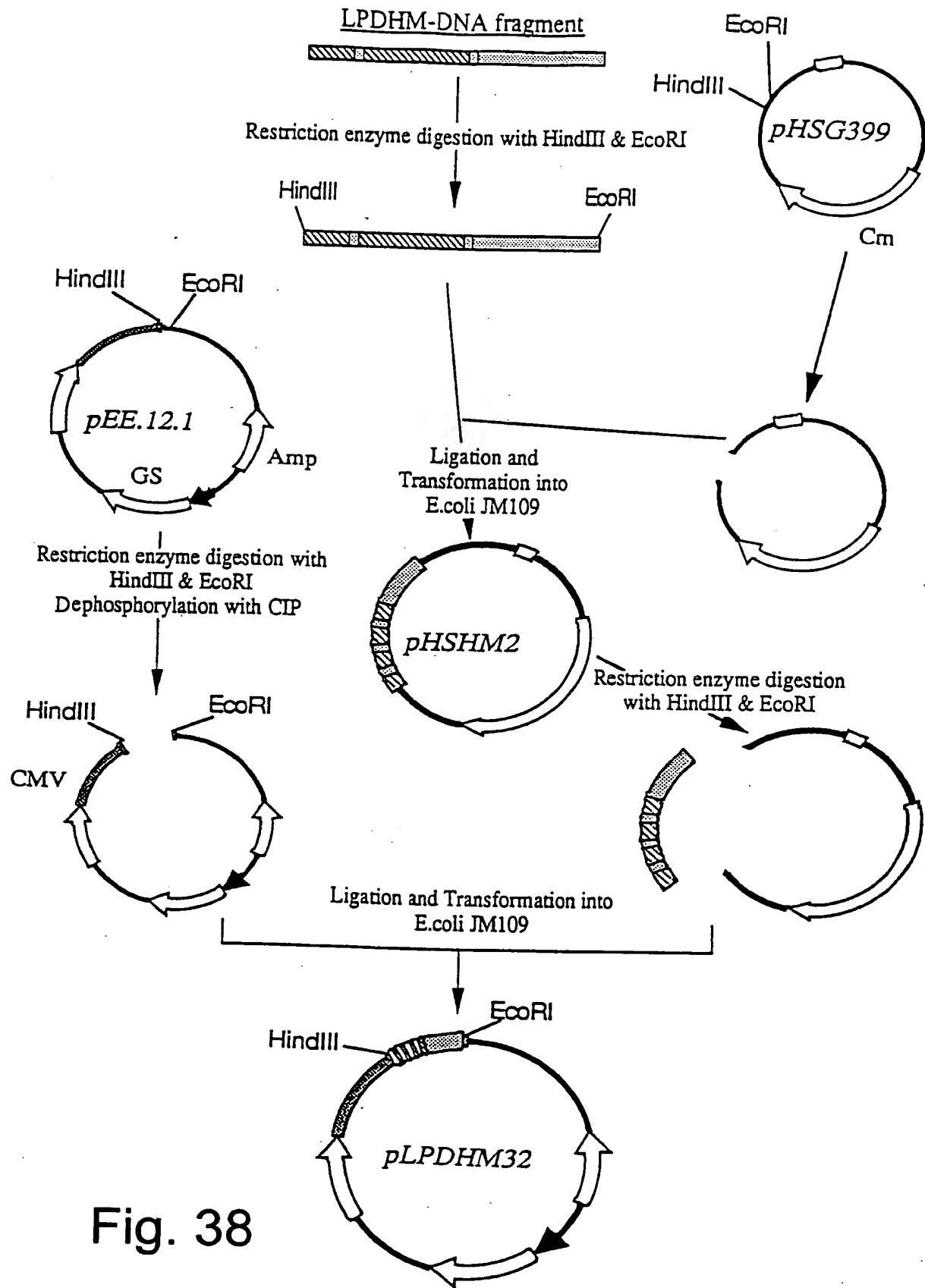


Fig. 38

APPROVED	O.C. F. 3
BY	CLASS
DRAFTSMAN	SUB-CASS 530 339.15

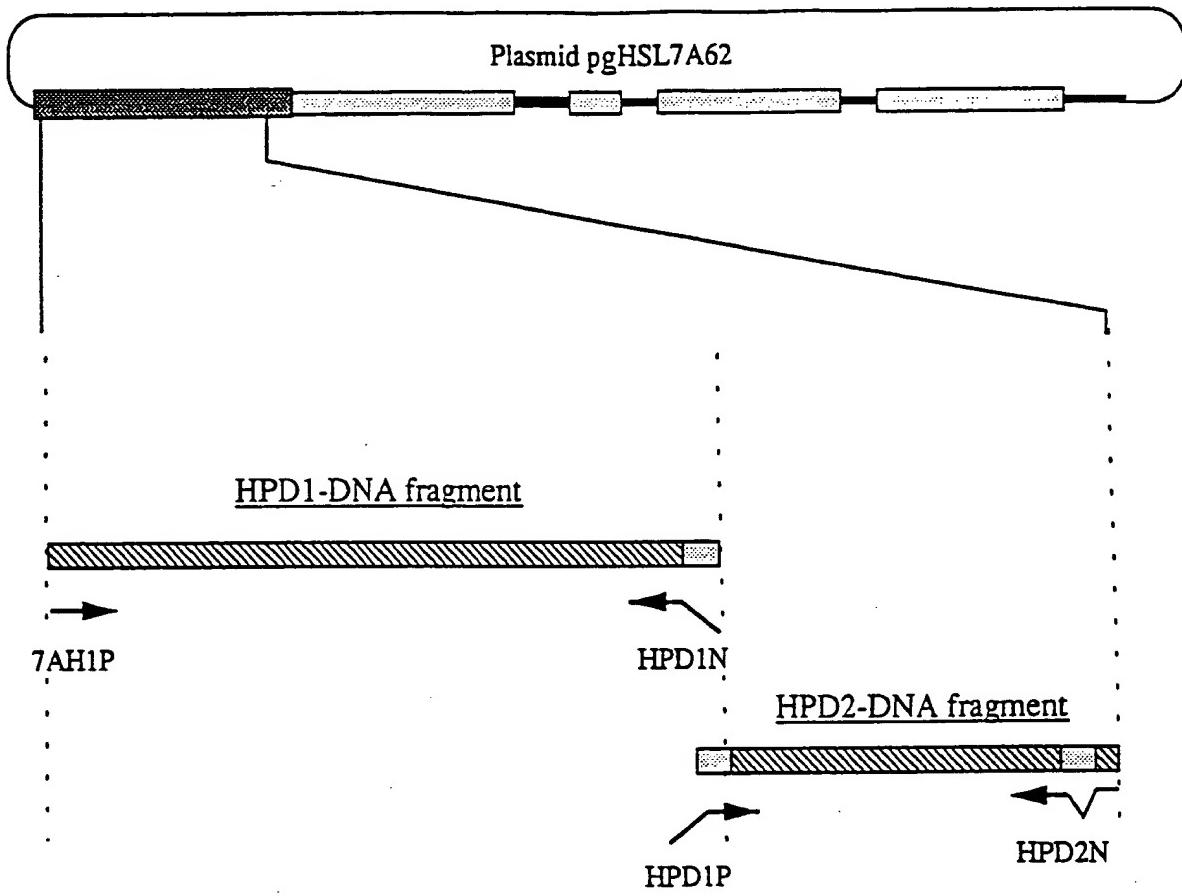


Fig. 39

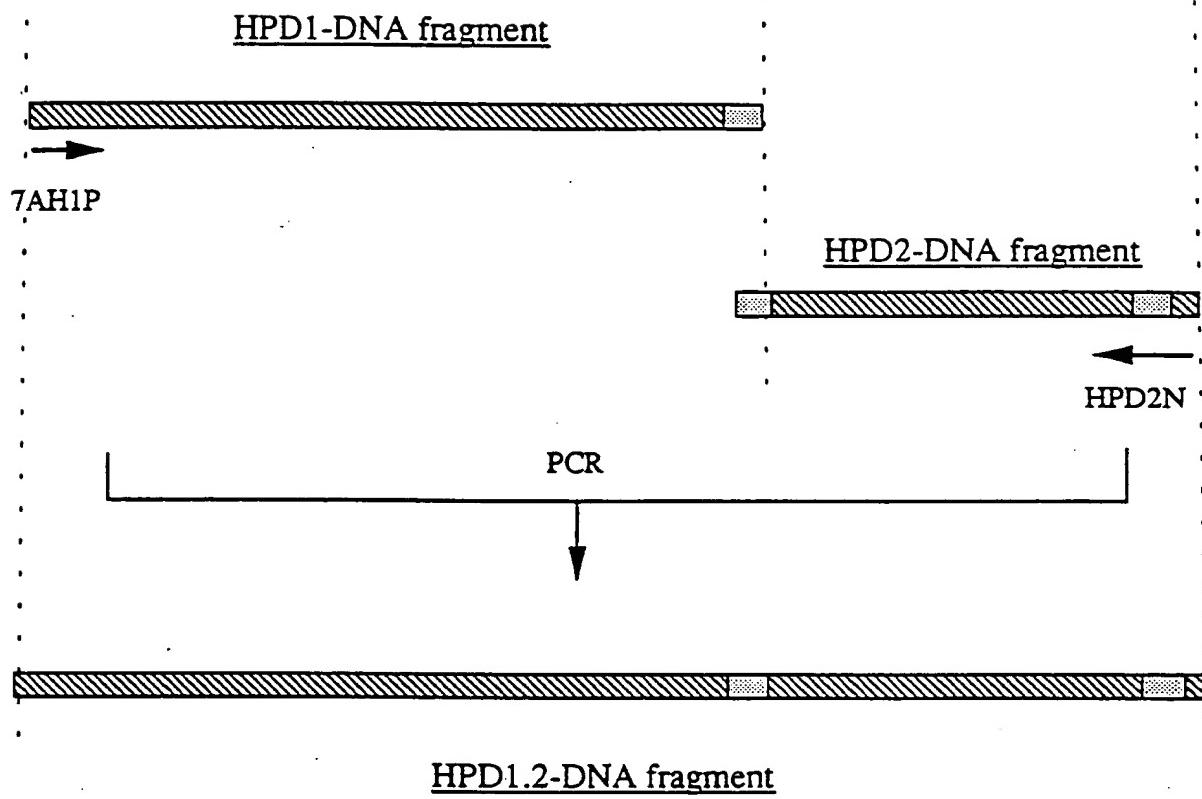


Fig. 40

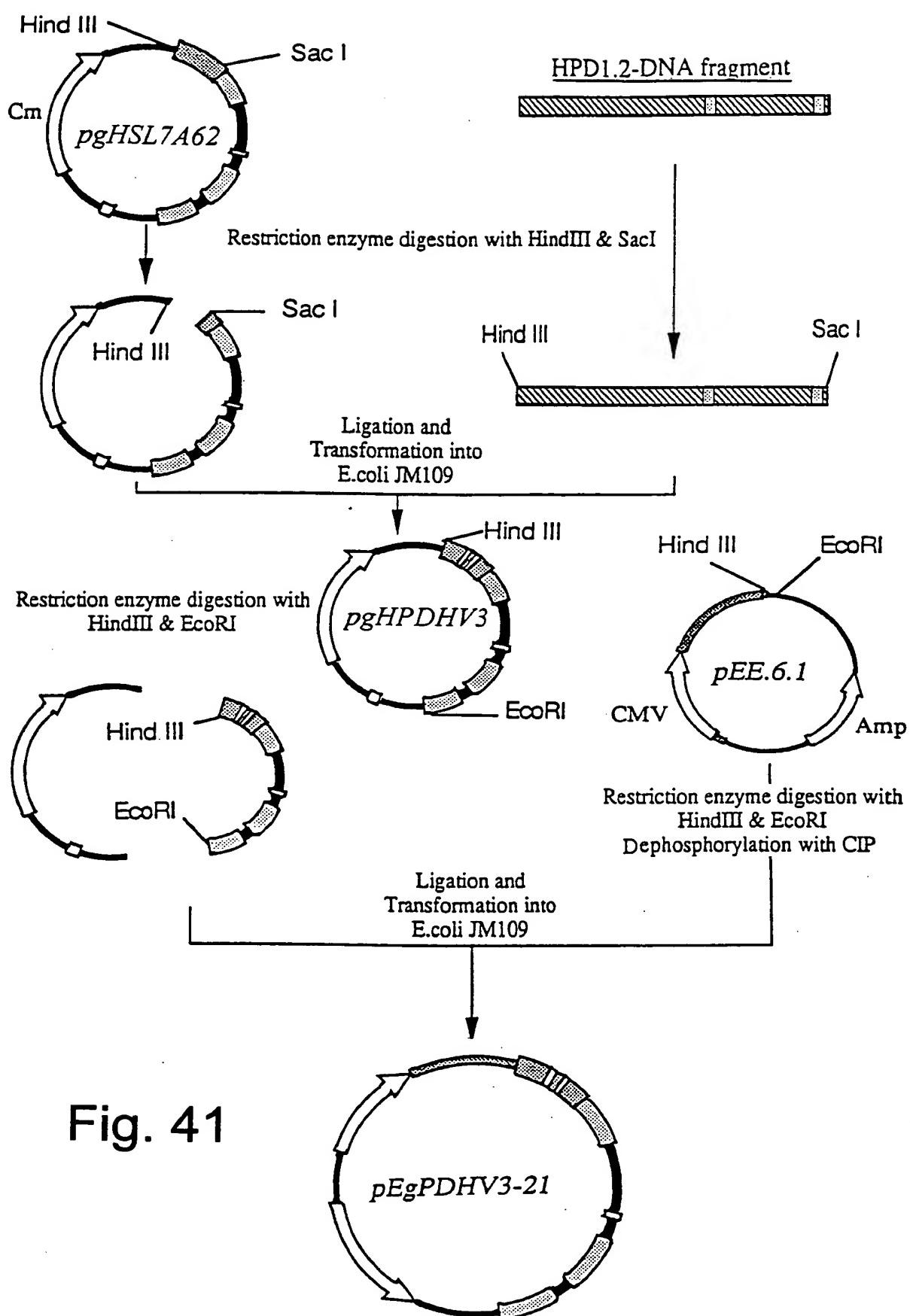


Fig. 41

SEARCHED [O.C.]
INDEXED []
CLASS []
SERIAL NO. []
SEARCHED []
INDEXED []
CLASS []
SERIAL NO. []
SEARCHED []
INDEXED []
CLASS []
SERIAL NO. []

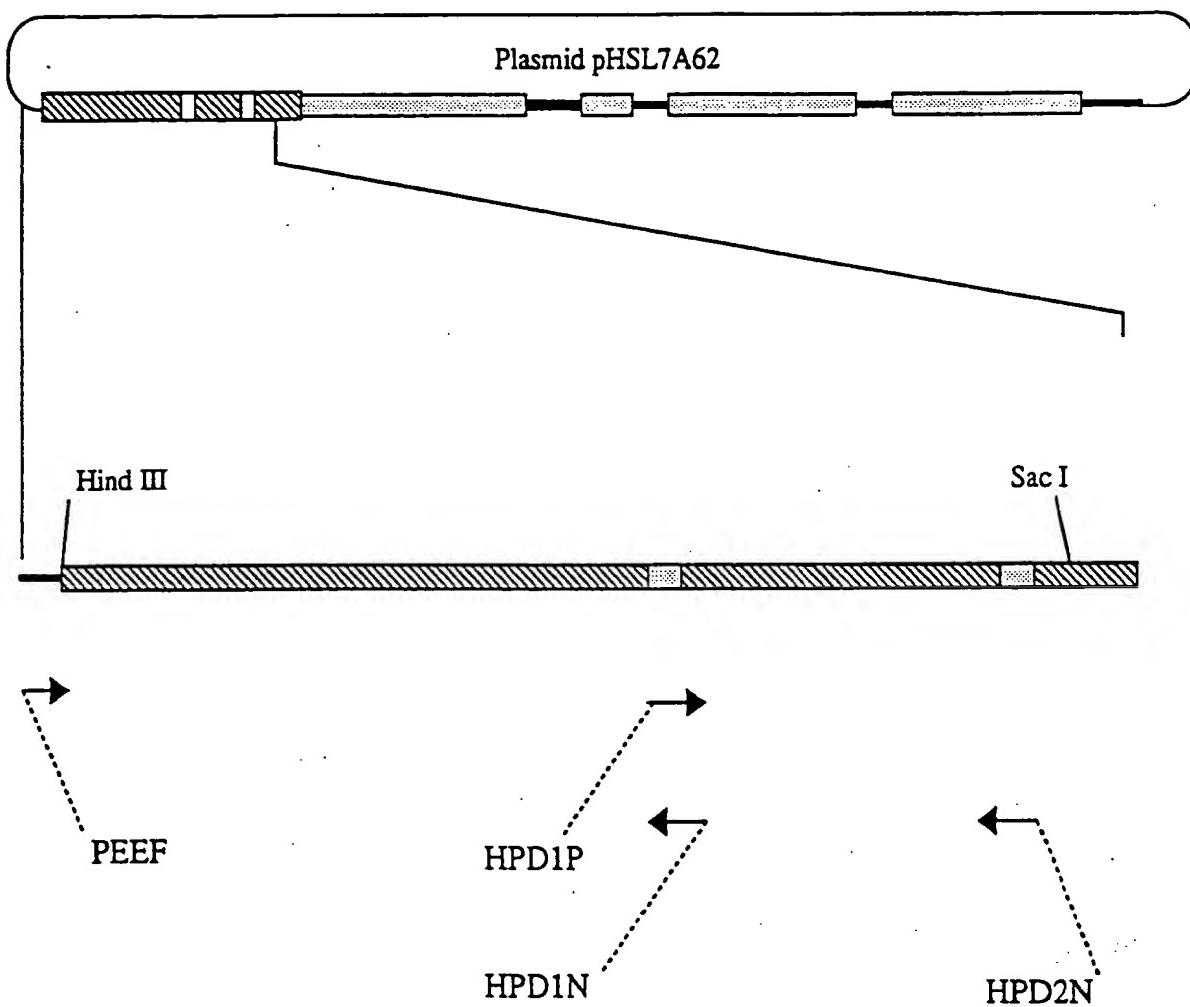


Fig. 42

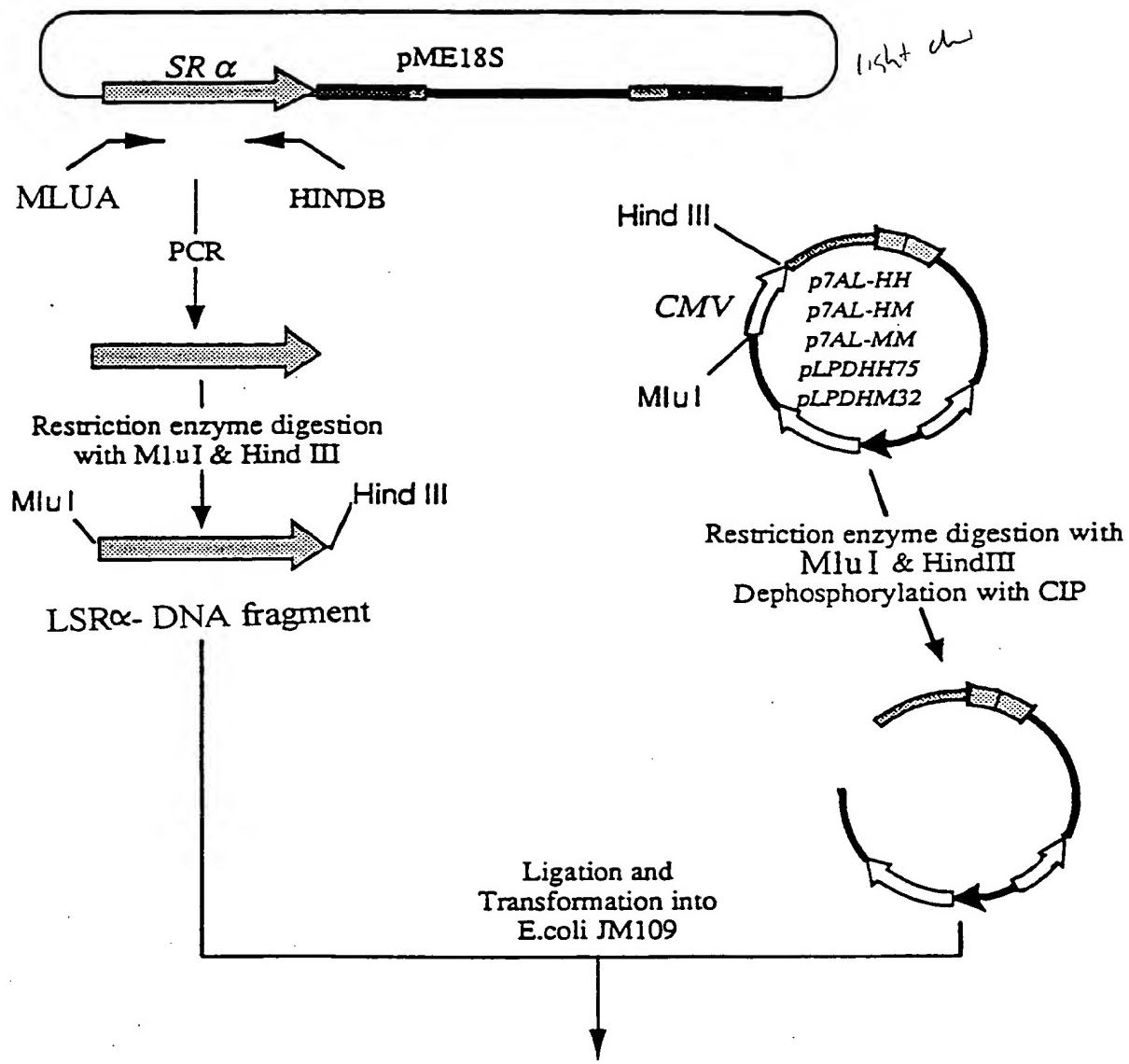
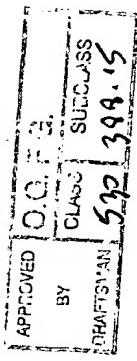
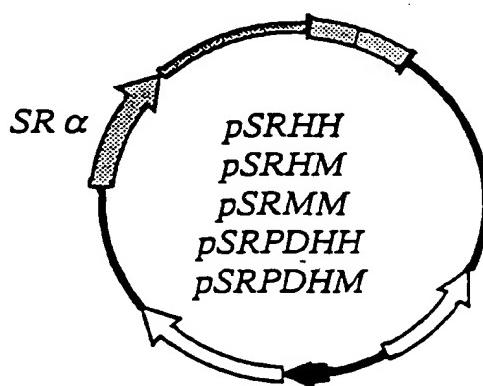


Fig. 43



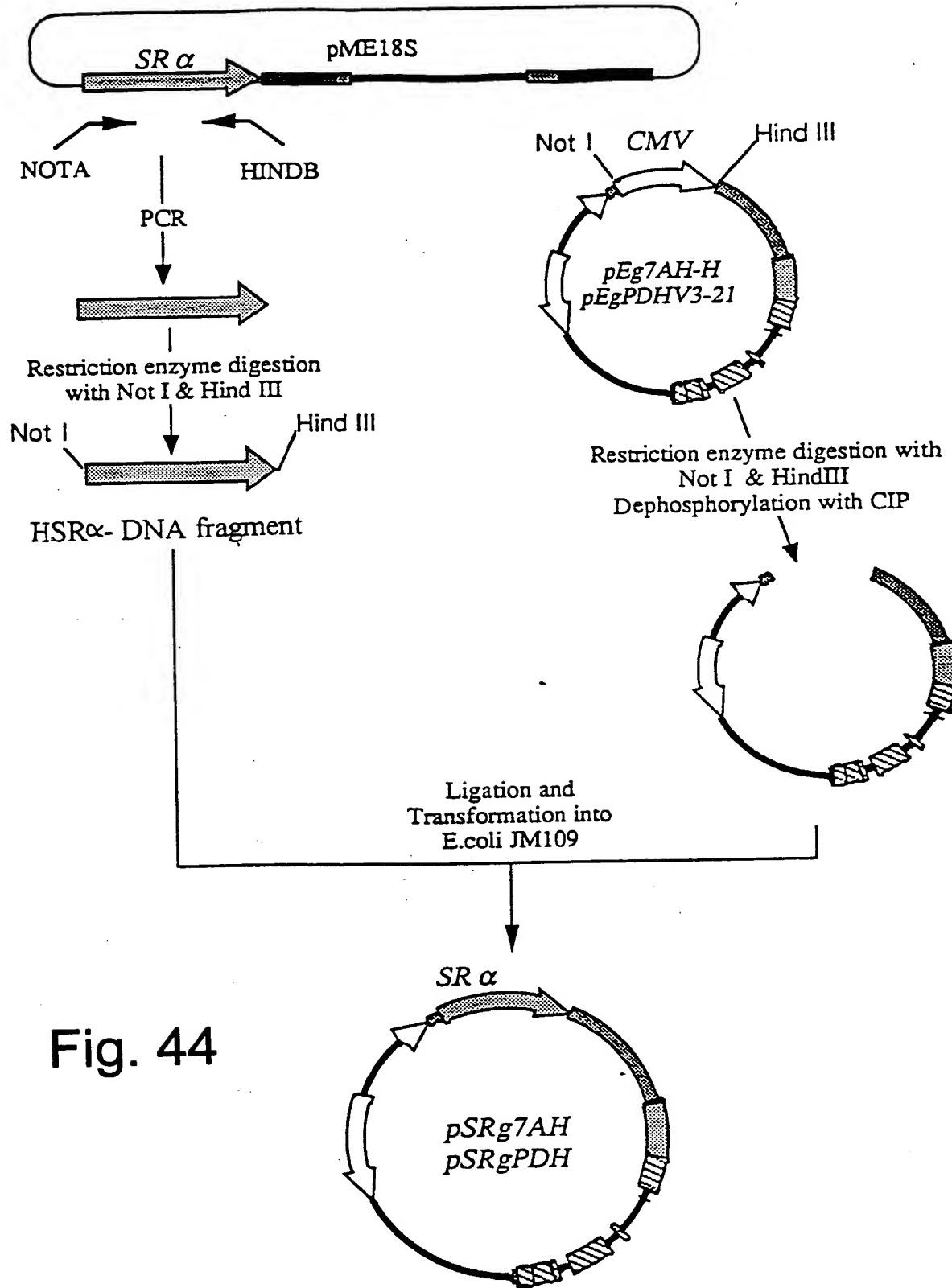
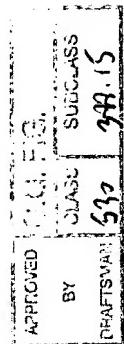


Fig. 44

APPLIED O.C. INC.
CLAS. SUCCESS
DRAFT, STAN 570 228.15

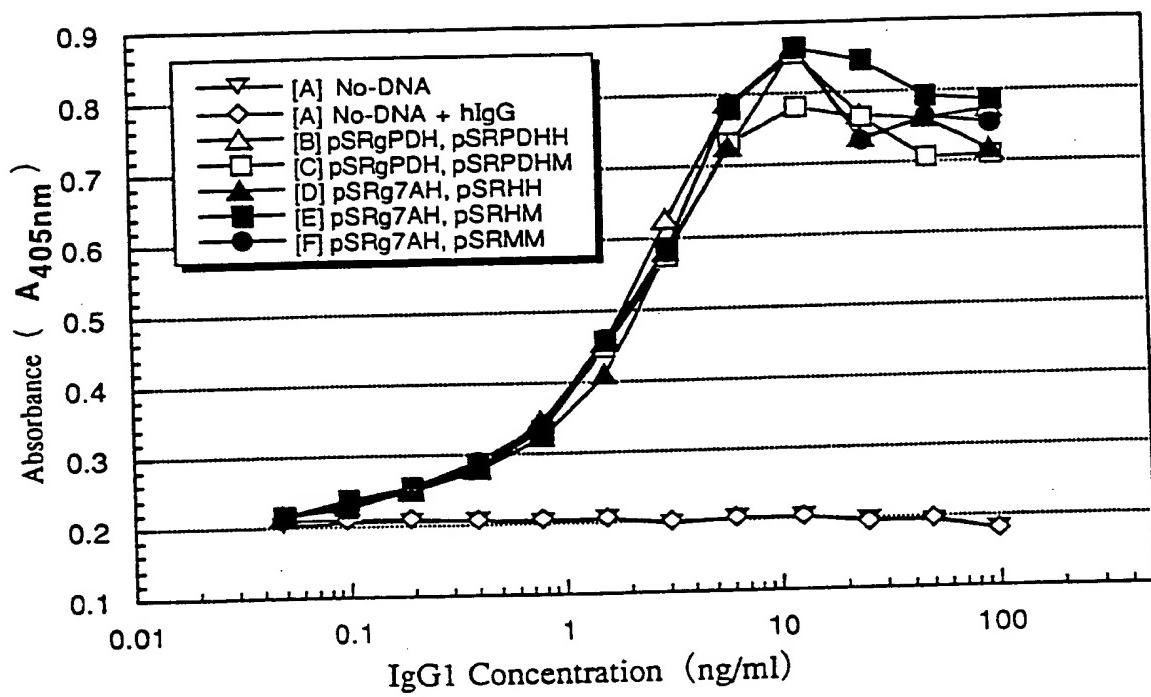


Fig. 45

APPROVED	O.C. F.G.
BY	
CLASS	SUBCLASS
DRAFTER	532 929.15

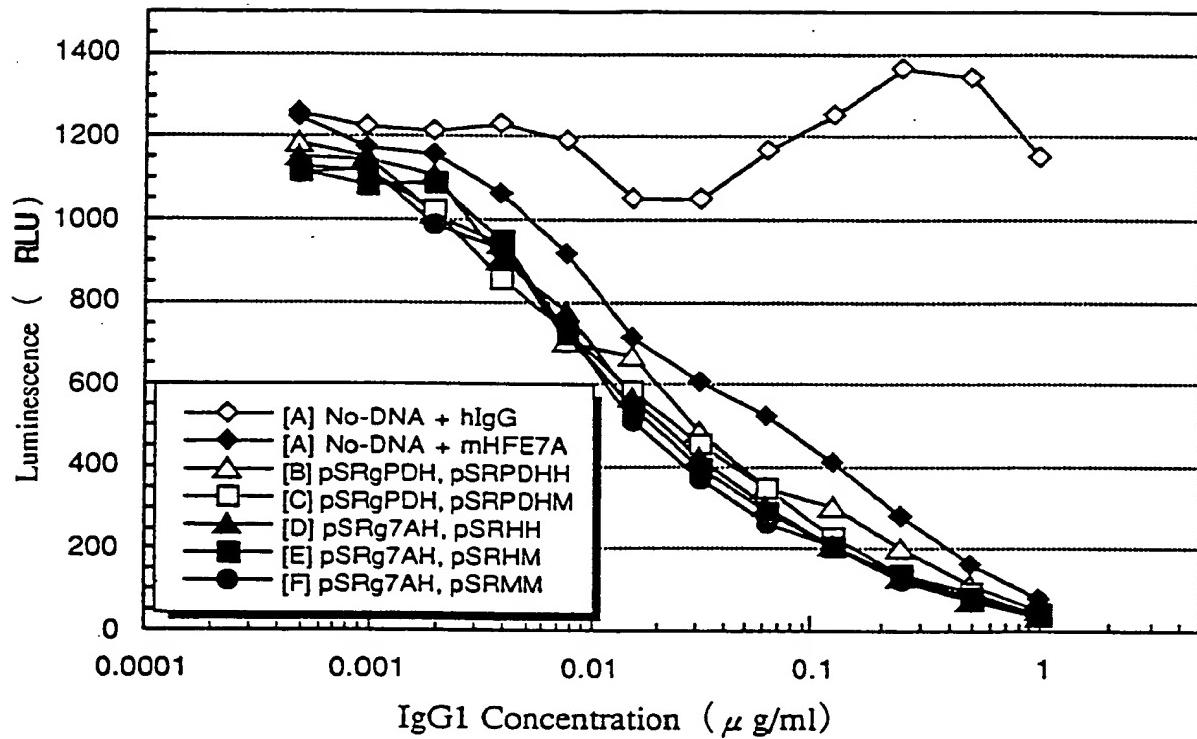


Fig. 46

APPROVED
O.C. 1.2
CLASS 530
SUBCLASS 390.15
BY DATE: 31/12/2000

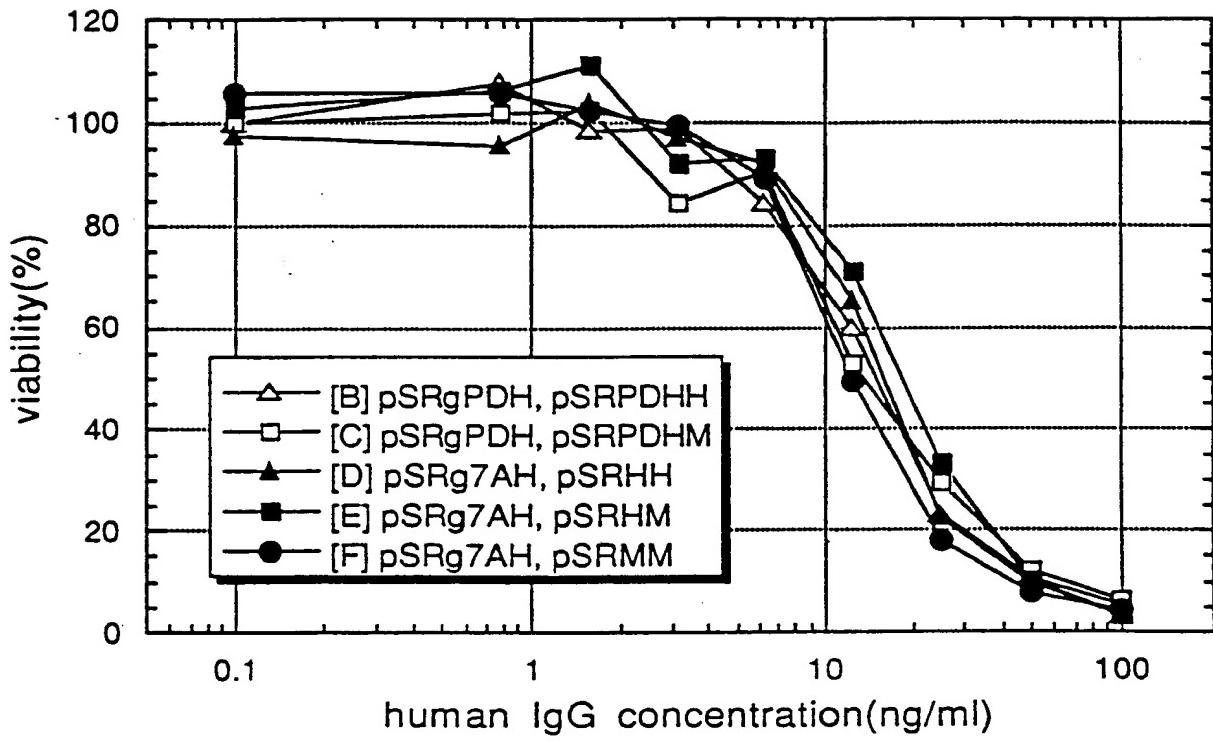


Fig. 47

BY	CLASS	SUB-CLASS
Porter	570	397.15

卷一百一十五

FRL1

Mouse HFE7A	Asp Ile Val Leu Thr Gln Ser Pro Ala Val Ser Leu Gly Gln Arg Ala Thr Ile Ser Cys
Humanized HFE7A(8E10)	Asp Ile Val Leu Thr Gln Ser Pro Gly Thr Leu Ser Pro Gly Glu Arg Ala Thr Ile Ser Cys
Human Eu	Ile Gin Met Thr Gln Ser Pro Ser Thr Leu Ser Ala Ser Val Gly Asp Arg Val Thr Ile Thr Cys
Humanized HFE7A(LEU1)	Asp Ile Val Leu Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly Asp Arg Val Thr Ile Thr Cys
Humanized HFE7A(LEU2)	Asp Ile Val Leu Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly Asp Arg Val Thr Ile Thr Cys
Humanized HFE7A(LEU3)	Asp Ile Val Leu Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly Asp Arg Val Thr Ile Thr Cys

FRL 3

	40	45	50	(Amino acid No. 47: Ala or Pro, No. 49: Lys or Arg)
Mouse HFE7A	Trp Tyr Gln Gln Lys Pro Gln Pro Lys Leu Ile Tyr			
Humanized HFE7A(8E10)	Trp Tyr Gln Gln Lys Pro Gly Gln Xaa Pro Xaa Leu Ile Tyr			
Human Eu	Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Met Tyr			
Humanized HFE7A(LEU1)	Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile Tyr			
Humanized HFE7A(LEU2)	Trp Tyr Gln Gln Lys Pro Gly Gln Ala Pro Lys Leu Leu Ile Tyr			
Humanized HFE7A(LEU3)	Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile Tyr			

23

ERIA

105	Phe Gly Gly Thr Lys Leu Glu Ile Lys Arg Ala
110	Ile Lys Arg Thr
Mouse HFE7A	Phe Gly Gly Thr Lys Leu Glu Ile Lys Arg Ala
Humanized HFE7A(8E10)	Phe Gly Gin Gly Thr Arg Leu Glu Ile Lys Arg Thr
Human Eu	Phe Gly Gin Gly Thr Lys Val Glu Val Lys Gly Thr
Humanized HFE7A(LEU1)	Phe Gly Gin Gly Thr Lys Val Glu Ile Lys Arg Thr
Humanized HFE7A(LEU2)	Phe Gly Gin Gly Thr Lys Val Glu Ile Lys Arg Thr
Humanized HFE7A(LEU3)	Phe Gly Gin Gly Thr Lys Val Glu Ile Lys Arg Thr

卷之三

32	CLASS	SUCCLASS
		530
		399.15

FRH1

PRK1	1	5	10	15	20	25	30
Mouse HFE7A	Gln Val Gln Leu Gln Pro Gly Ala Glu Leu Val Lys Pro Gly Ala Ser Val Lys Leu Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr						
Humanized HFE7A (8E10)	Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Pro Gly Ala Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr						
Human Eu	Glu Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Pro Gly Ser Ser Val Lys Val Ser Cys Lys Ala Ser Gly Thr Phe Ser						
Humanized HFE7A (HEU1)	Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Pro Gly Ala Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr						
Humanized HFE7A (HEU2)	Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Pro Gly Ala Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr						
Humanized HFE7A (HEU3)	Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Pro Gly Ala Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr						

FRH²

	Mouse HFE7A	Humanized HFE7A (8E10)	Human Eu	Humanized HFE7A (HEU1)	Humanized HFE7A (HEU2)	Humanized HFE7A (HEU3)
Val	Trp	Trp	Trp	Val	Val	Val
Lys	Lys	Lys	Arg	Lys	Lys	Lys
Gln	Gln	Gln	Gly	Gln	Gln	Gln
Arg	Arg	Arg	Pro	Arg	Arg	Arg
Pro	Gly	Gly	Gly	Gly	Gly	Gly
Gly	Gly	Gly	Gly	Gly	Gly	Gly
Ile	Ile	Ile	Ile	Ile	Ile	Ile
Gly	Gly	Gly	Gly	Gly	Gly	Gly

FRH 3

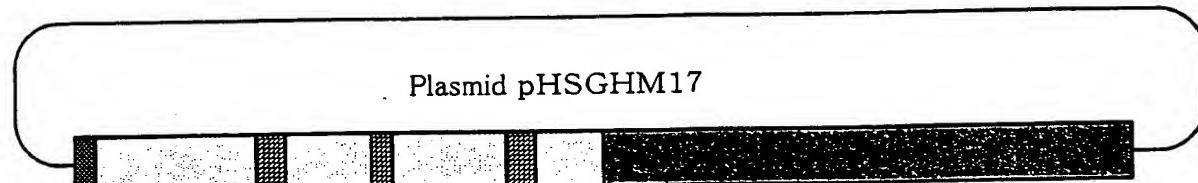
Mouse HFE7A Lys Ala Thr Ser Ser Thr Ser Leu Thr Ser Gln Leu Ser Ser Tyr Met Gln Leu Ser Ser Leu Asp Ser Ala Val Tyr Cys Ala Arg
Humanized HFE7A (8E10) Lys Ala Thr Ser Ala Ser Thr Ala Tyr Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Cys Ala Arg
Human Eu Arg Val Thr Ile Thr Ala Asp Glu Ser Thr Asn Thr Ala Tyr Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Cys Ala Gly
Humanized HFE7A (HEU1) Lys Ala Thr Ser Thr Val Asp Thr Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Cys Ala Arg
Humanized HFE7A (HEU2) Lys Ala Thr Ser Thr Val Asp Thr Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Cys Ala Arg
Humanized HFE7A (HEU3) Lys Ala Thr Ser Thr Val Asp Thr Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Cys Ala Arg

FRH4

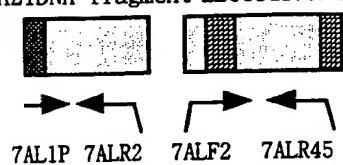
Fig. 49

Success
570 343.15
10:47:54 AM

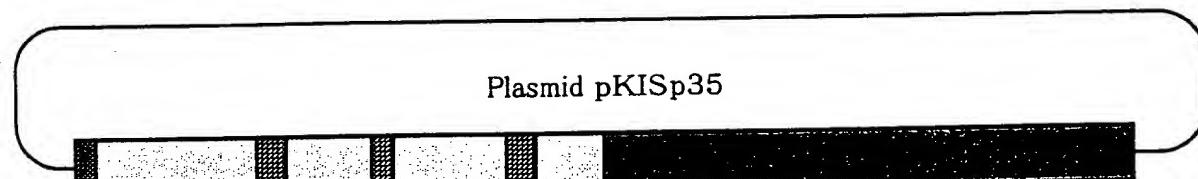
Plasmid pHSGHM17



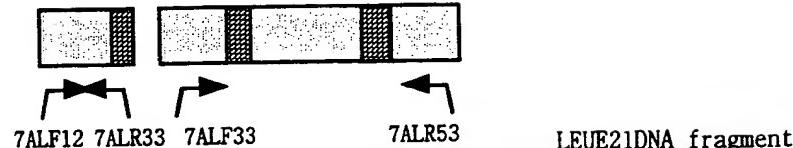
LEUA21DNA fragment LEUC31DNA fragment



Plasmid pKISp35



LEUB21DNA fragment LEUD21DNA fragment



LEUE21DNA fragment

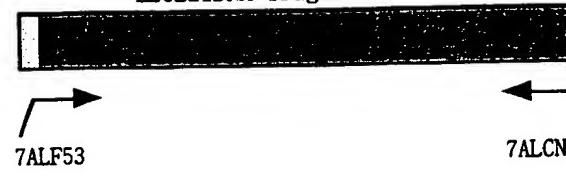


Fig. 50

Approved O.C. :
By :
CLASS : SUBCLASS :
REPORT# : 570 374-19

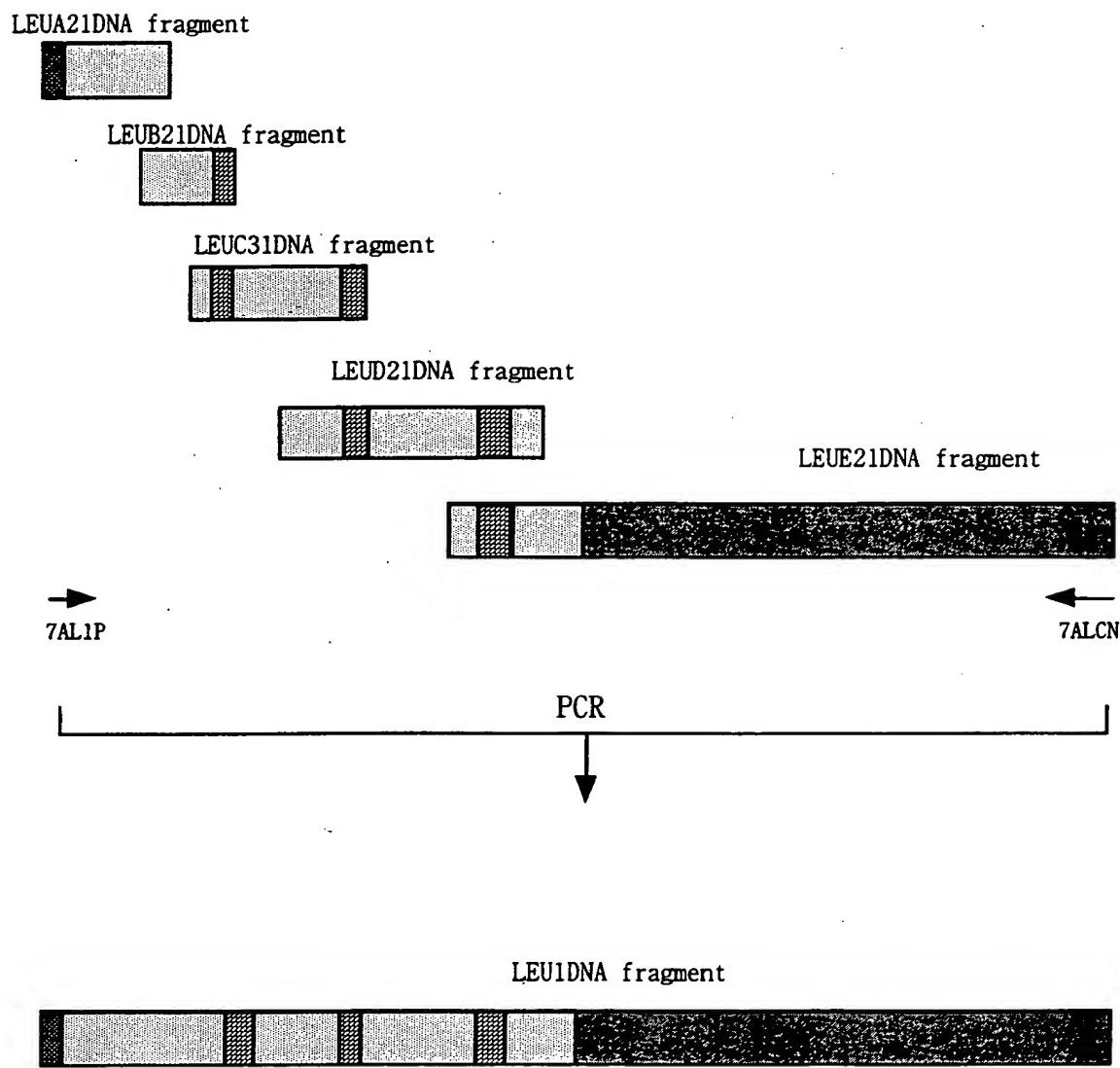


Fig. 51

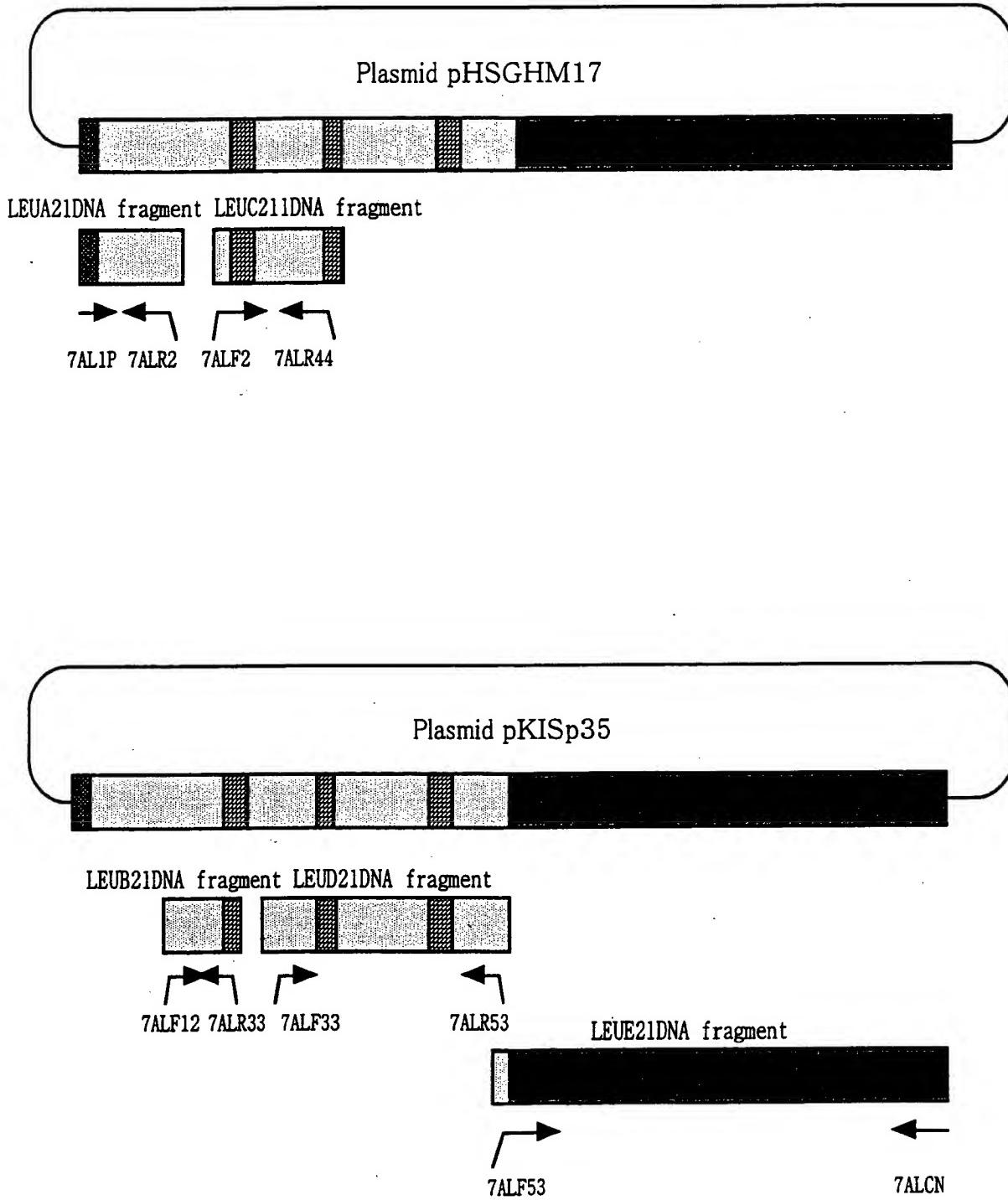


Fig. 52

CLASS SUBJECTS
CLAS 530 379.5
DEPARTMENT

LEUA21DNA fragment



LEUB21DNA fragment



LEUC21DNA fragment



LEUD21DNA fragment



LEUE21DNA fragment



→
7AL1P

←
7ALCN

PCR



LEU2DNA fragment



Fig. 53

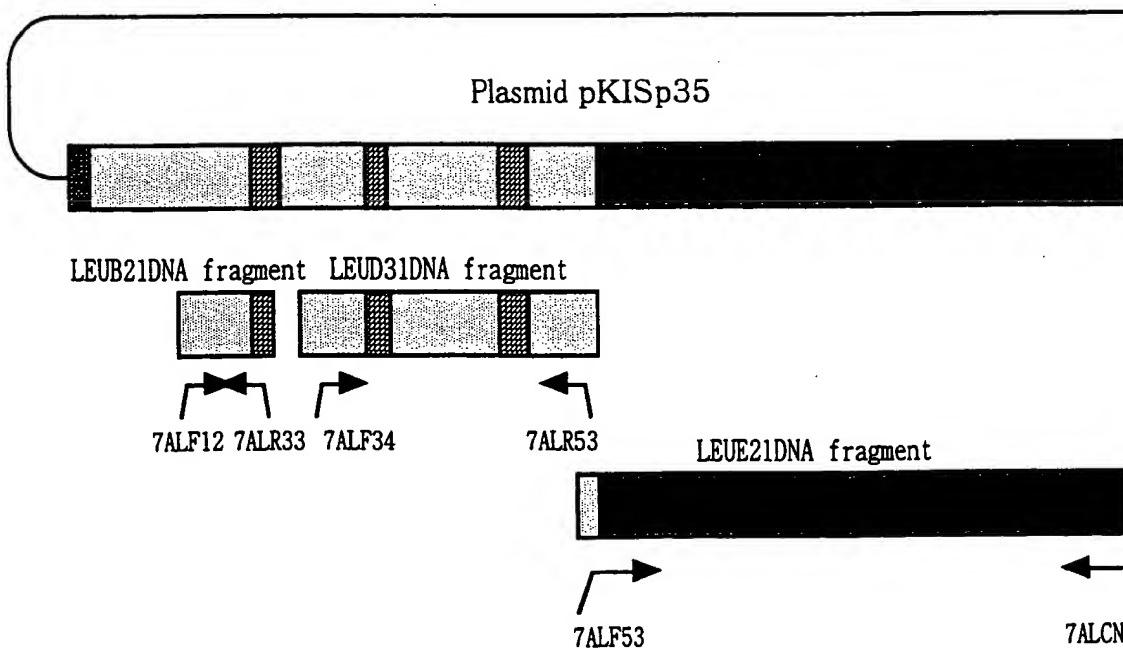
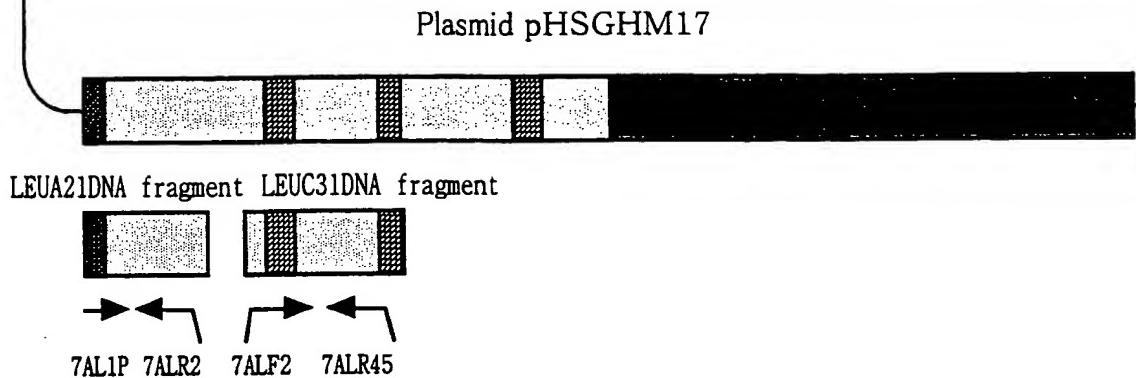


Fig. 54

LEUA21DNA fragment



LEUB21DNA fragment



LEUC31DNA fragment



LEUD31DNA fragment



LEUE21DNA fragment



7AL1P

7ALCN

PCR

LEU3-DNA fragment



Fig. 55

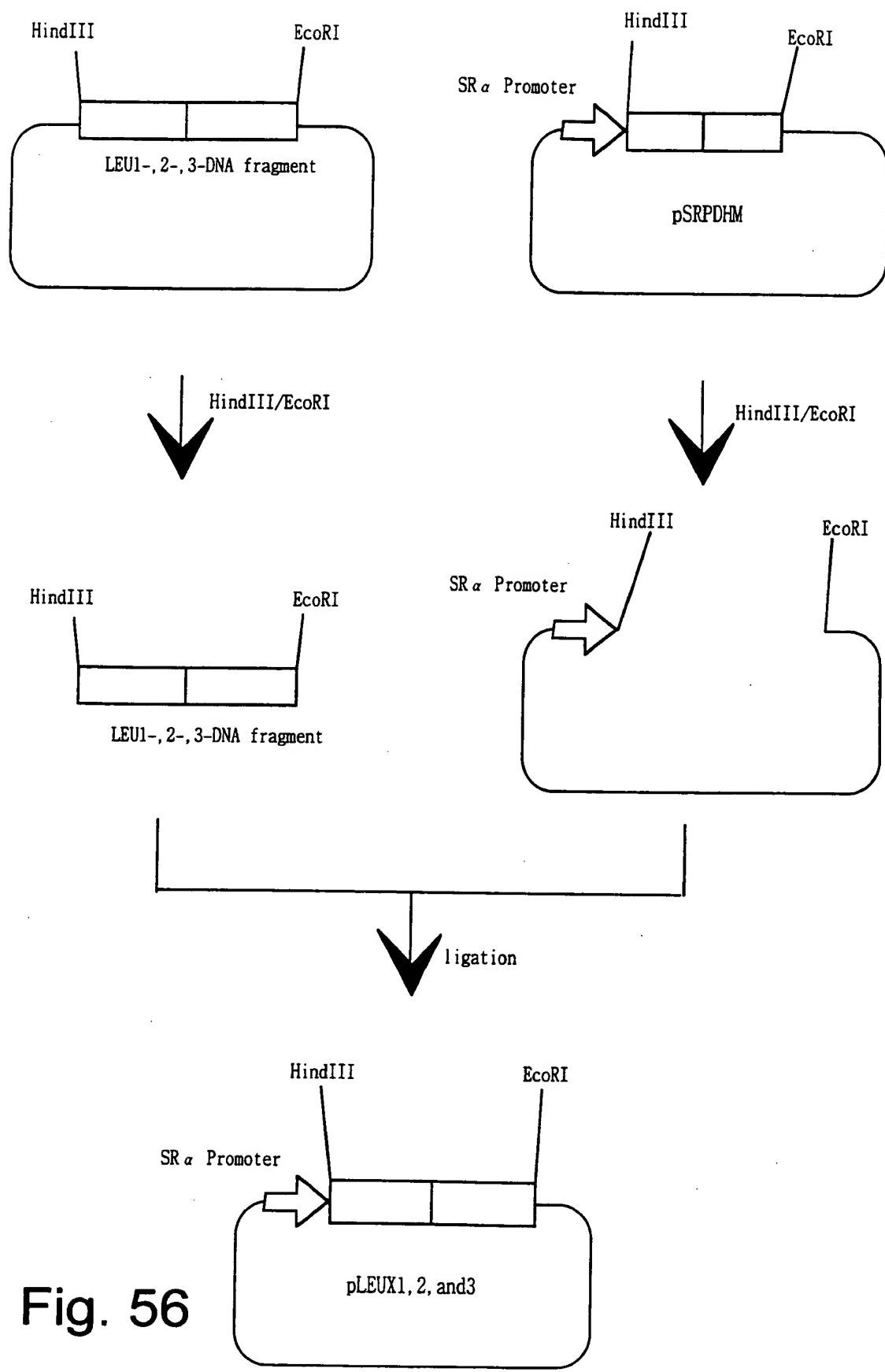


Fig. 56

APPROVED: J.O.C. F.3
 BY CLASS SUBCLASS
 DEPARTMENT 530 398.15

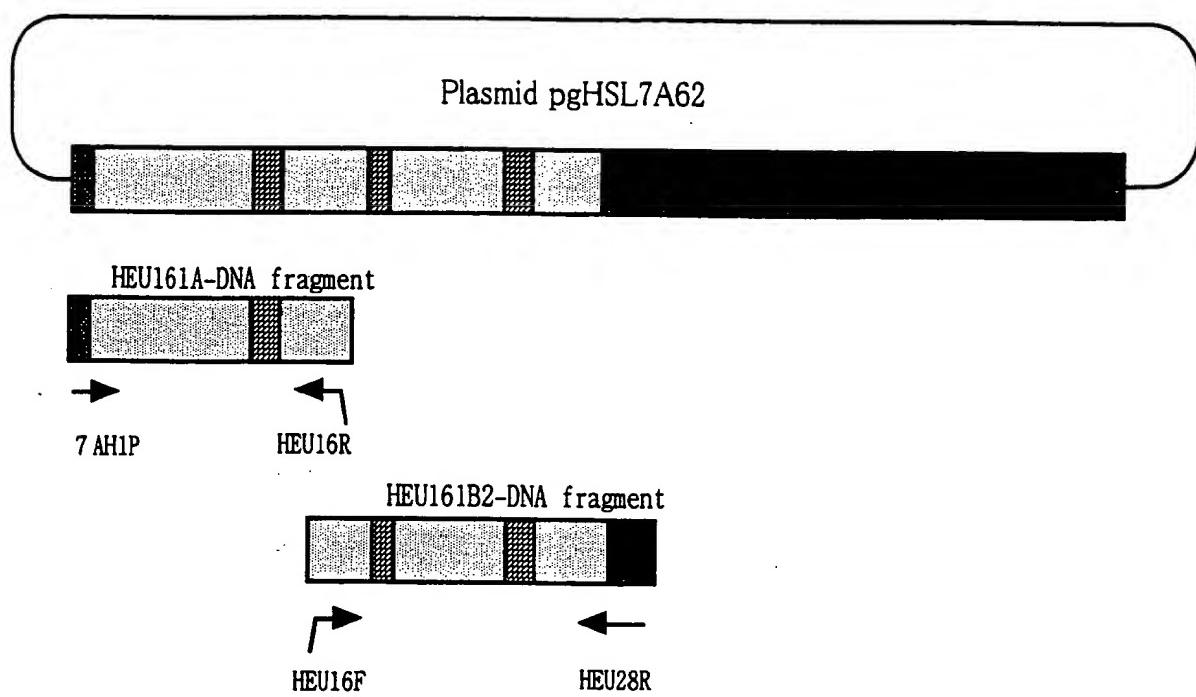
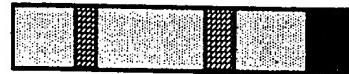


Fig. 57

HEU161A-DNA fragment



HEU161B2-DNA fragment



→

7 AH1P

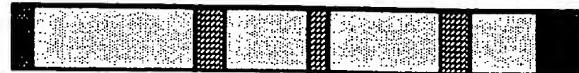
←

HEU28R

PCR

Fig. 58

HEU1-DNA fragment



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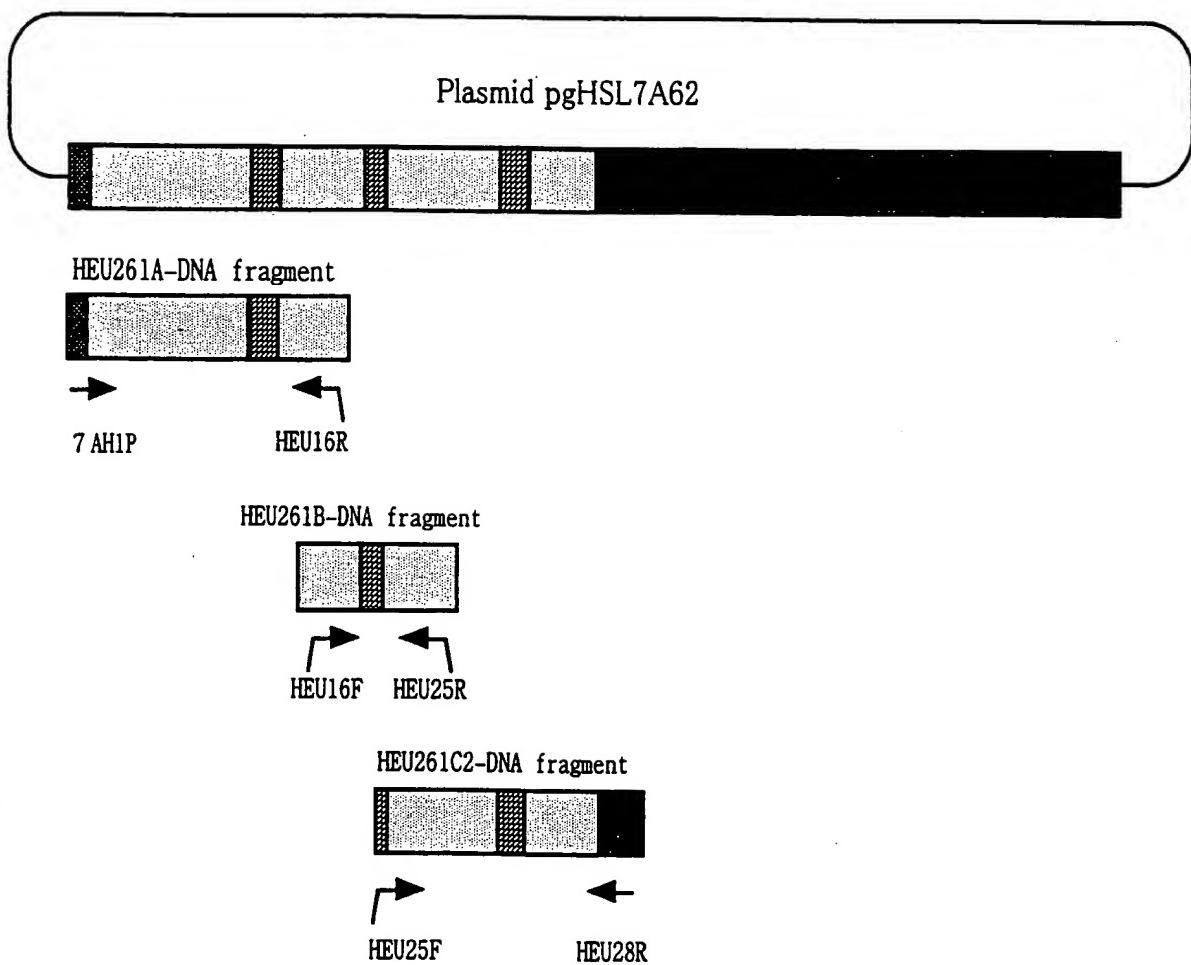


Fig. 59

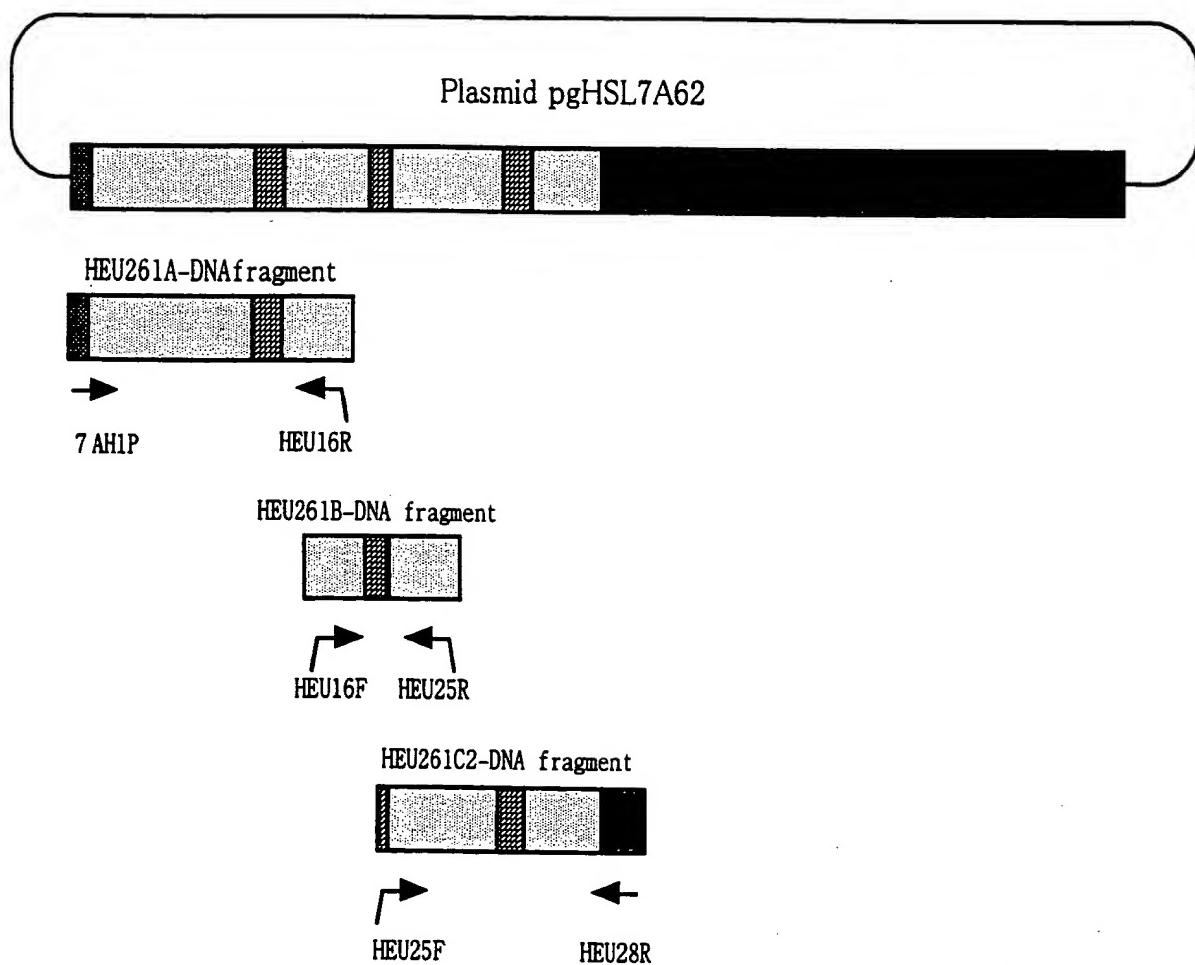
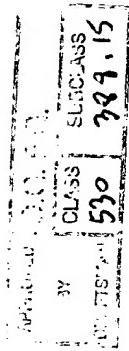


Fig. 60

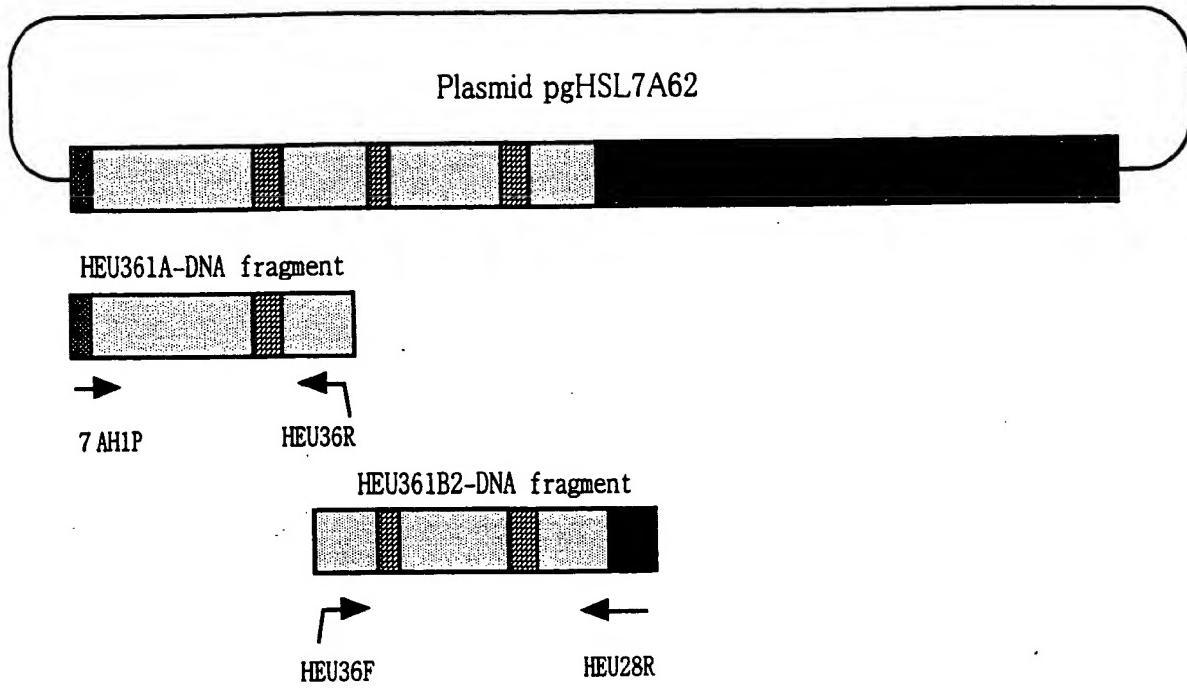
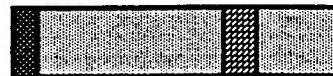
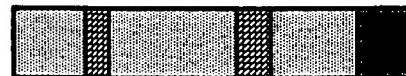


Fig. 61

HEU361A-DNA fragment



HEU361B2-DNA fragment



→

7 AH1P

←

HEU28R

PCR

HEU3-DNA fragment

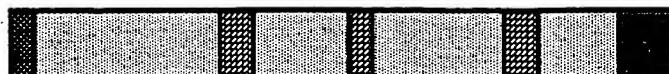
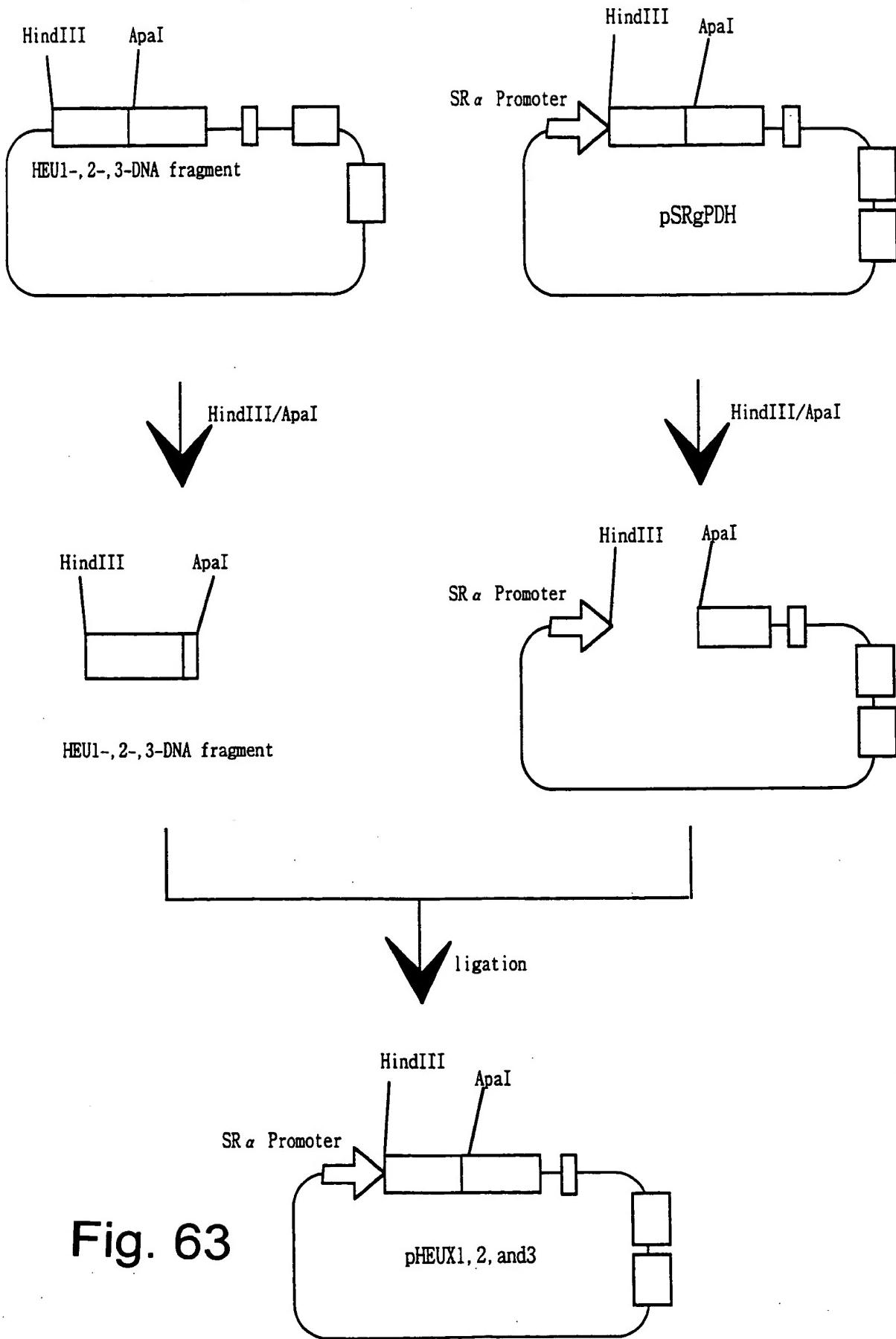
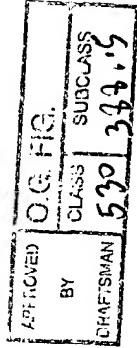


Fig. 62



APPROVED	O.R. F.3.
BY	CLASS
LIAFSTAN	530

பொது தலைவர் : பாலகுமார் வி. கிருஷ்ண

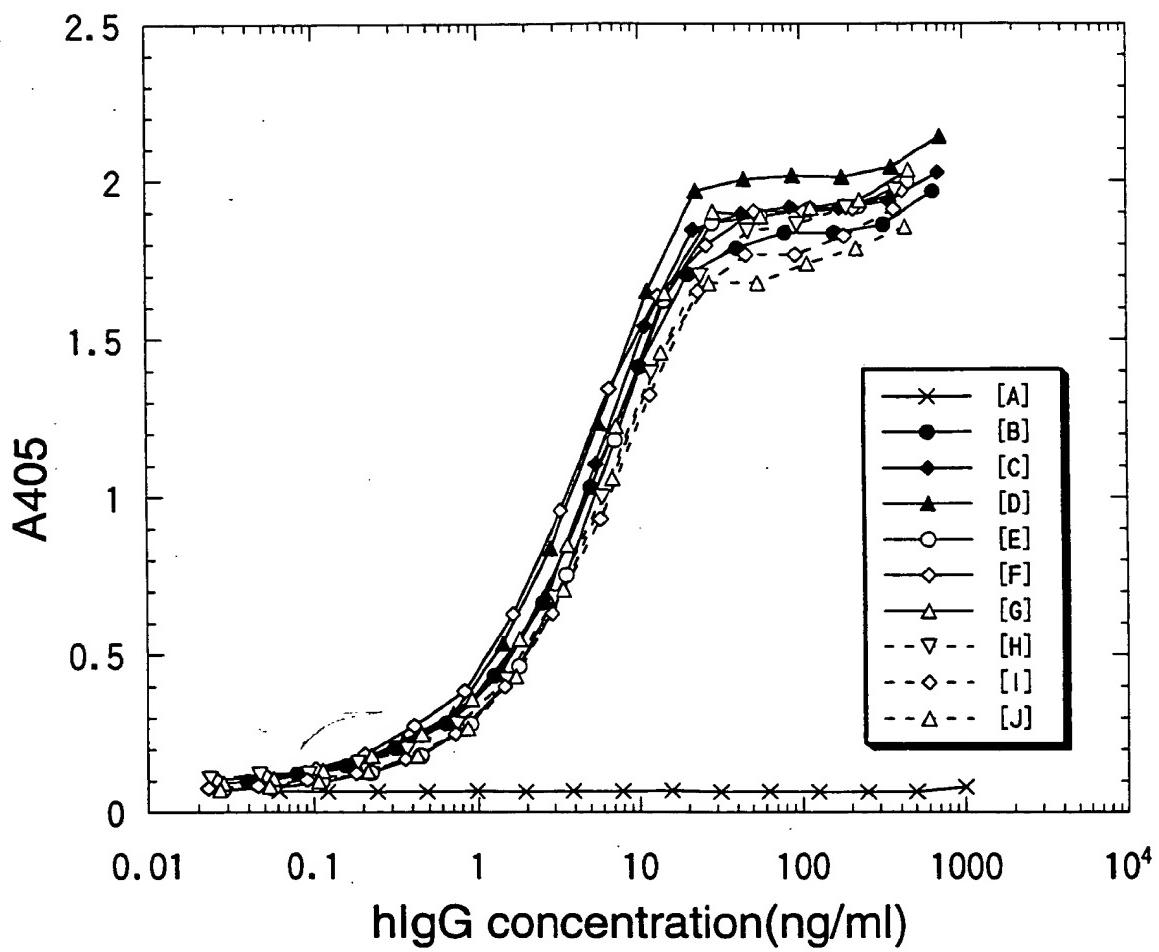


Fig. 64

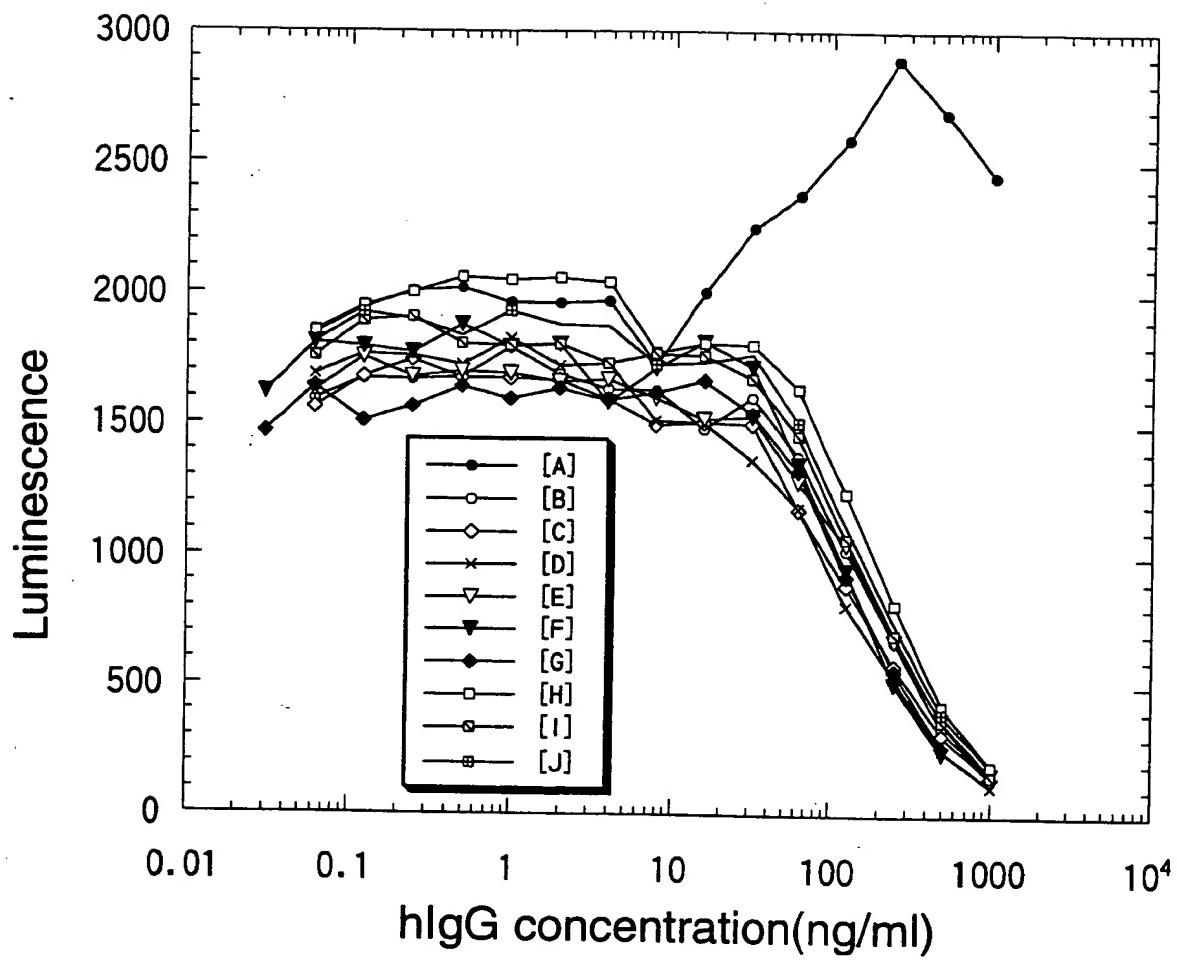


Fig. 65

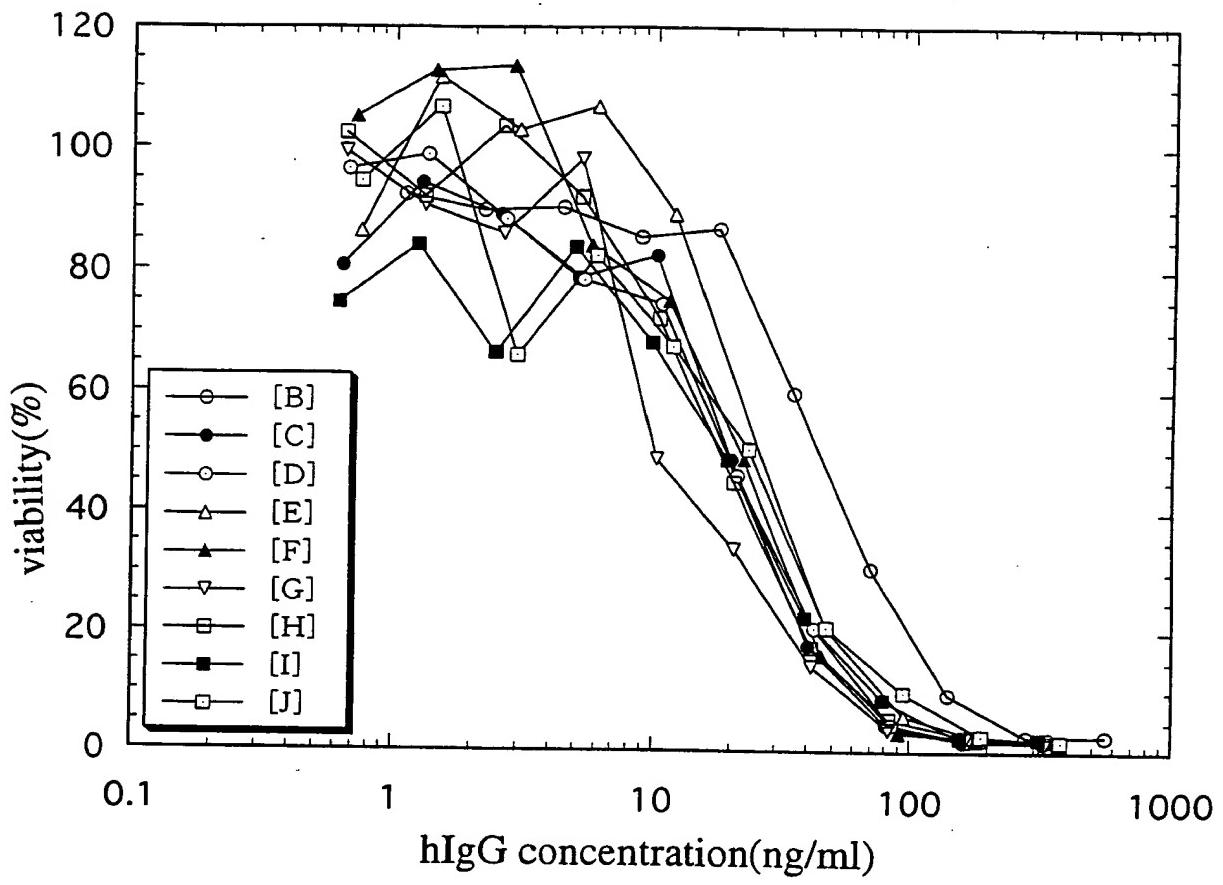


Fig. 66

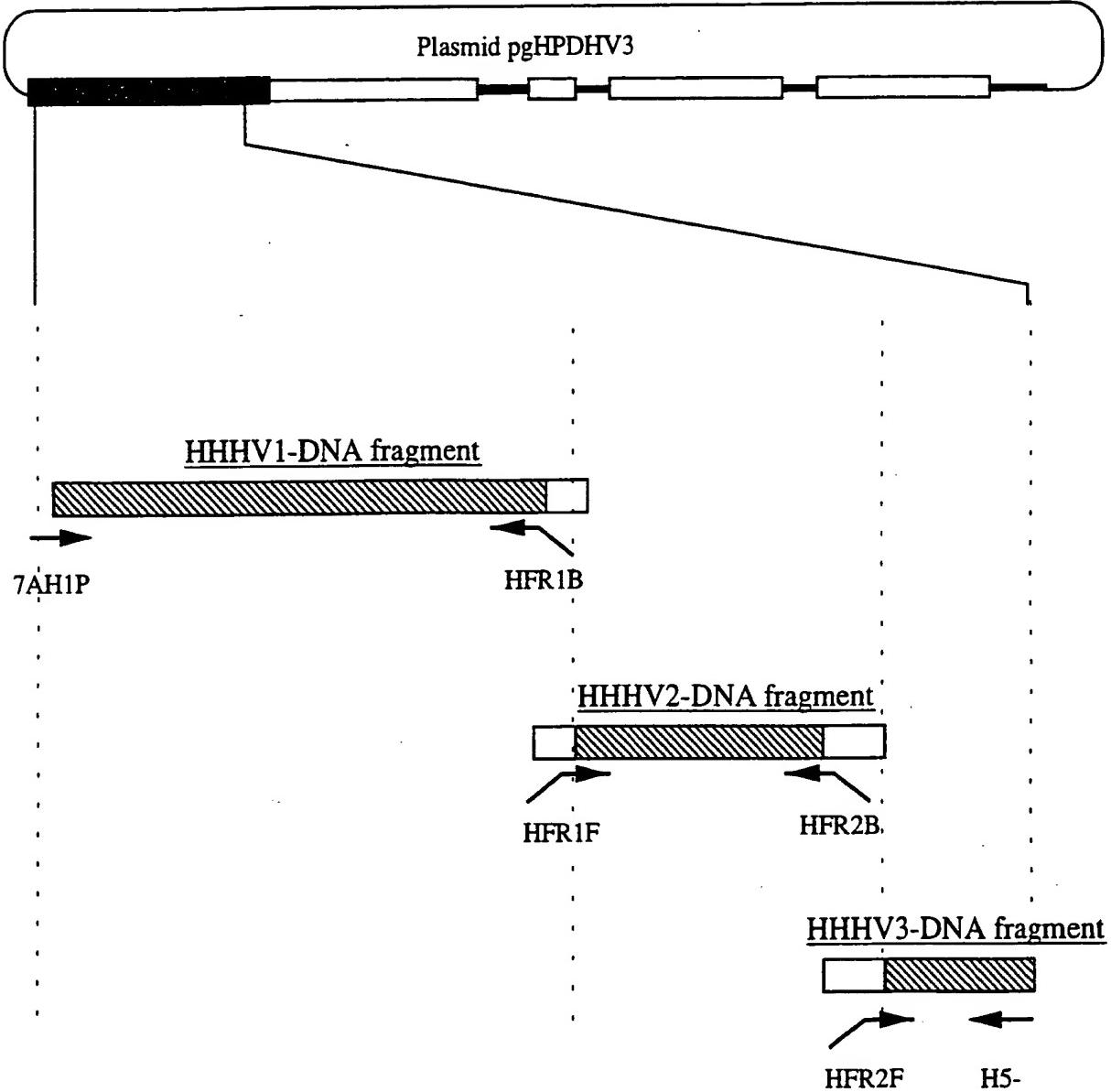


Fig. 67

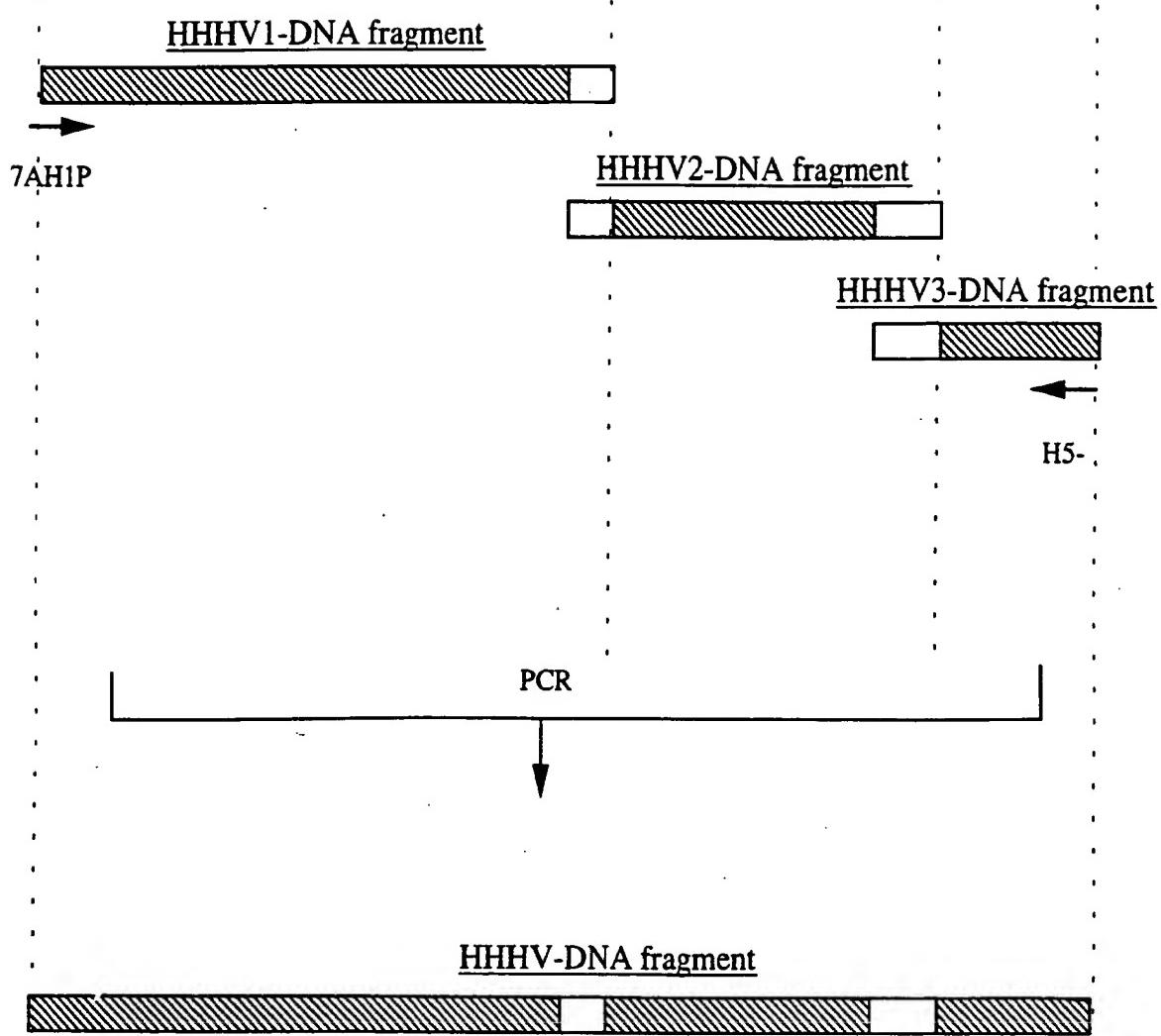


Fig. 68

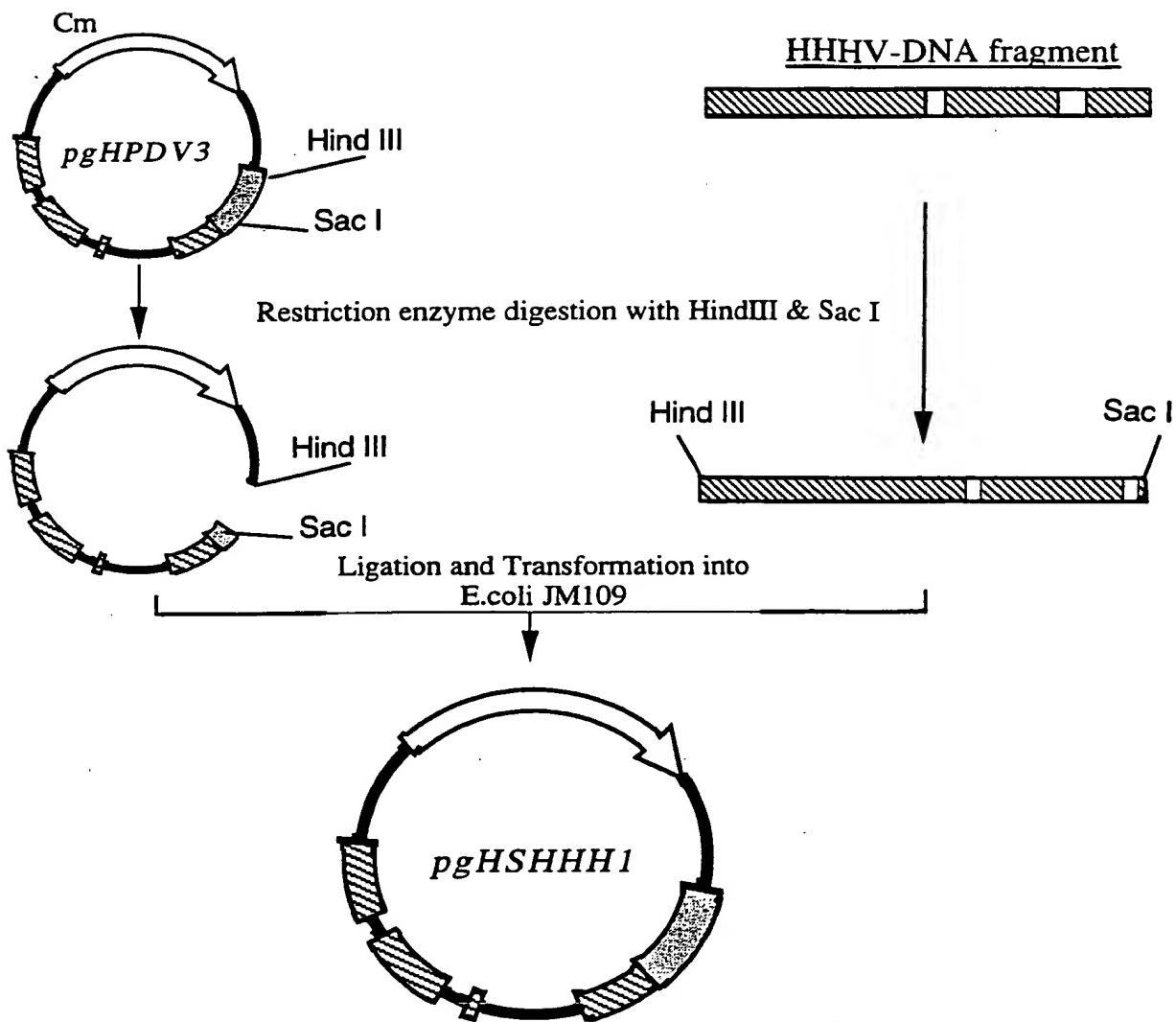


Fig. 69

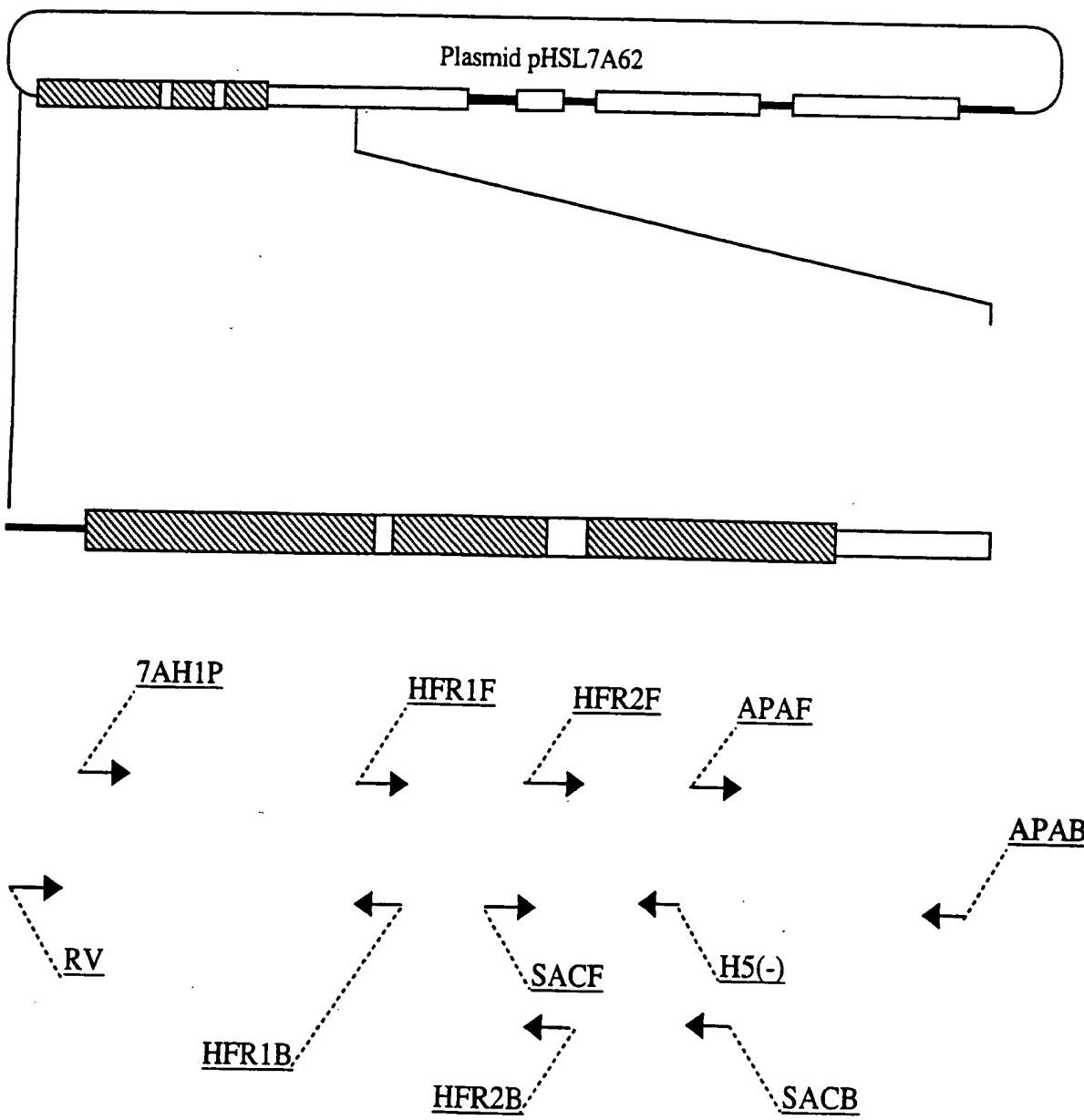


Fig. 70

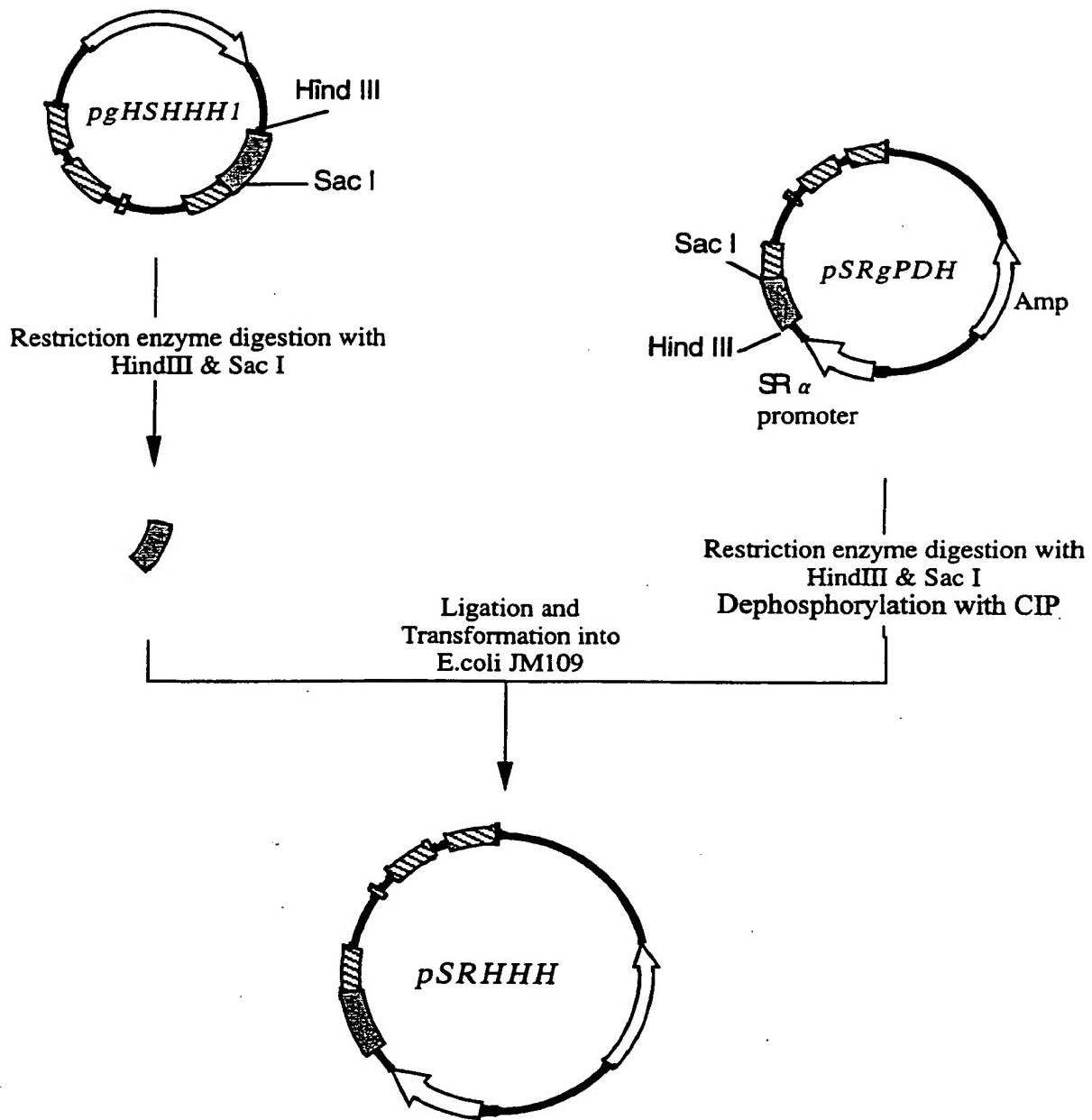


Fig. 71

